

XCEWE Driver Manual

Cewe Instruments Using IEC 1107 Data Protocol Driver



ProMeter



CPKSoft Engineering

Process Monitoring and Industrial Automation Software

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1. Introduction

CPKSoft Engineering assumes no responsibility for any errors that may appear in this document. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

This driver is included with all unlimited licenses of TAS-HMITalk. It is not sold separately. It requires the TAS-HMITalk ActiveX to work, therefore it cannot be used as a stand-alone driver.

If you use this driver in your applications, you need to include the xcewe.tlk in the set of files that you distribute. This file must be located in the same folder where the hmitalk.ocx file is registered in order to be found by the activex when the applications are executed.

The source-code for the xcewe.tlk driver is available in plain-C language for additional USD 1399 if you own a license of TAS-HMITalk 8.04 or higher.

Refer to the following link to visit the xcewe driver page at CPKSoft Engineering website:
<http://www.cpksoft.com/tabid/55/ProductID/19/PageIndex/1/Default.aspx>.

Visit this link if you want to see a complete list of drivers that are currently available for TAS-HMITak: <http://www.cpksoft.com/Drivers/tabid/55/Default.aspx>.

Also, refer to this link if you are interested in purchasing a license of the most recent version of TAS-HMITalk: <http://www.cpksoft.com/Products/tabid/54/Default.aspx>.

We welcome your comments about this document. You can reach us by e-mail at [contact @ cpksoft.com](mailto:contact@cpksoft.com).

2. Driver details

2.1. Driver overview

XCEWE driver allows you to connect to any CEWE Instruments meter that communicates using data protocol IEC 1107 Mode C and uses any of the data formats supported.

It is recommended to send commands to the CEWE meter every 5 seconds minimum and this involves configuring the "HMITalk1.ScanStart" and "HMITalk1.ScanRate" properties to have small values.

This driver is also capable of receiving available historic information from different meter devices and store this information in individual ASCII files.

2.2. Supported devices

This driver can communicate with these devices, but is not necessarily limited to this list:

CEWE Instruments Prometer Meter

3. Command list

3.1. Get Historic Information

Description of this command:

Reads the available historic information for a given number of channels in the meter's memory from a given start date and stores the samples in an ASCII file with a predefined format in the hard disk.

Meaning of the DriverP7 parameter:

Defines the root name for the .CEW configuration file containing special information required by the command, i.e. "C:\\HISTORIC\\DATA01.CEW".

Important note:

The format and contents of this file (.CEW) are explained at the end of this command.

Type of data handled by this command:

Analog Input

1-6 (in fact, number of meter channels being read, plus one for the meter serial number)

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

2

Meaning of the DriverP2 parameter:

Indicates how many meter channels must be read from the meter (1-5). If left to 0, a value of 1 will be assumed.

Meaning of the DriverP3 parameter:

Indicates if the date specification must be detailed for each sample (0=NO, 1=YES). If 1 is selected, the file will contain 'full date information'.

Meaning of the DriverP4 parameter:

Indicates how many times the communication must be retried before abandoning it (usually set to 10 when using a modem). A communication is retried when any of these two errors appear:

- A checksum error is detected in the incoming message.
- The timeout period elapsed without receiving a reply.

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Meaning of the DriverP7 parameter:

Indicates the filename for the .CEW configuration file. For example:

"C:\\HISTORIC\\CFGDATA.CEW". This filename will be used by default to store the .PRN log files only if the HMITalk1.DriverP8 is left empty.

Meaning of the DriverP8 parameter:

Indicates a valid file name with full path specification for the .PRN log file (containing historic data). If this property is left empty, the driver will search for a valid filename with a full path specification inside the .CEW configuration file. If that entry is omitted, the log file will be created with the same file name and directory entry of the .CEW file but with a .PRN extension. See a description of the .CEW file at the end of this page.

Meaning of the DriverP9 parameter:

This property should only be set when the communication is established through the opto port. Sets an empiric delay expressed in milliseconds between the last transmission made at 300 bauds and the following message with a different baudrate. Change this value only if you continuously get a timeout error after a few messages were sent to the power meter with no problem. Its usual value is 150.

Values that are returned:

Value in PointValue (0) = The meter serial number whose memory was collected as a combined number of the form XYYYYYYY, where: XX = ASCII code of the first letter in the serial number. YYYYYY = The remaining six numeric digits.

Value in PointValue (1) = Factor used for channel 1

Value in PointValue (2) = Factor used for channel 2 (if required and available)

Value in PointValue (3) = Factor used for channel 3 (if required and available)

Value in PointValue (4) = Factor used for channel 4 (if required and available)

Value in PointValue (5) = Factor used for channel 5 (if required and available)

.CEW FILE FORMAT:

This file is used to supply the following information as topics under the [[HistoricInfo] section name (see the example at the end of this explanation):

LogFile:

*Name of the historic file (also called 'log file'), where the sequence of values for the meter channels will be stored. This field can be any valid filename with a full path specification if required. If this field is omitted or if an asterisk * is used as the filename, the driver will search for a valid filename with a full path specification in the "HMITalk1.DriverP8" property. If this property is not properly set then a log file will be created with the same file name and directory entry of the .CEW file but with a .PRN extension.*

Header:

Header to be used when creating the log file. Can be any ASCII string of up to 246 characters. If omitted, the default header "Time" will be used. Multiline headers are allowed by splitting each line with a sequence of ' || ' characters. Besides, if you are having trouble

with ' ' ' characters, you can use ' { ' or ' } ' instead which will be automatically replaced with ' ' '.

LastDate:

Last date that was read (updated automatically). This date will be used also to let the driver know what is the next date to be read. Uses the format YYMMDD,hhmm and should not be manipulated manually (unless your are creating the .CEW file). If this field is omitted, it will be assumed 950101,0000 (01/01/95,00:00). This lastdate determines that the next reading will start in this date up to the last available information in the CEWE buffer memory (unless the StopDate topic is set with some date information).

StopDate:

This topic indicates what is the last date that should be read before stop reading. If it doesn't exist or if it is empty, the reading will stop automatically when the last available information in the meter has been retrieved. Uses the format YYMMDD,hhmm.

Important note: This topic is valid only for one reading

session. After the reading has been completed, the date will be cleared.

Password:

Indicates the password to be used as a four-digits hexadecimal value. If omitted, the password default used is 0000.

SamplesInBlock:

Number between 2 and 16 indicating how many groups of samples must be transmitted by the meter on each reply. If the expected reply is too long, the meter might truncate causing a timeout error in the driver. If this is the case, try a lower value for SamplesInBlock. If omitted, 12 is assumed.

Decimals1...5:

These values indicate how many decimals should be used when writing each meter channel to the log-file. Can range from 0 to 4 decimals. If omitted, 3 decimals are assumed.

Factor1...5:

These values are read from the meter memory and indicate the factors to divide the meter channel values with before they are sent to the log-file. Can range from 0 to 32767.

Units1...5:

These texts are read from the meter memory and indicate the engineering units for the corresponding channels read.

The format used to give this information is similar to the

one used in a typical Windows .INI file:

```
[[HistoricInfo] LogFile=C:\\MYLOGS\\CEWE0001.PRN Header="This will be my header"  
LastDate=YYMMDD,hhmm SamplesInBlock=12 Decimals1=0 Decimals2=1
```

Example:

```
[[HistoricInfo] LogFile=C:\\HISTORIC\\CEWE0001.PRN Header="Time  
", "TRNGR51P", "TRNGR51S" LastDate=950606,2015
```

(The rest of the fields can be omitted).

The format of the historic file generated is the following

(with date information as MM/DD/YY):

Header (Optional) "19/05/95 00:15",287,....,224 "00:30",289,....,229 "00:45",293,....,227
"01:00",296,....,225 "01:15",295,....,232 "01:30",268,....,229 "01:45",264,....,230 etc.

3.2. Read Meter Serial Number

Description of this command:

Reads the meter's serial number information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

0

Meaning of the DriverP1 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = The meter serial number whose memory was collected as a combined number of the form XYYYYYYY, where: XX = ASCII code of the first letter in the serial number. YYYYYY = The remaining six numeric digits.

3.3. Read Date

Description of this command:

Reads the meter's date information formatted as YY/MM/DD.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

21

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year
Value in PointValue (1) = Month
Value in PointValue (2) = Day

3.4. Read Time

Description of this command:

Reads the meter's time information formatted as hh/mm/ss.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

22

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Hour
Value in PointValue (1) = Minutes
Value in PointValue (2) = Seconds

3.5. Read if Alarm Active

Description of this command:

Informs if there is an alarm active (1=Active, 0=No alarm).

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

31

Meaning of the DriverP3 parameter:

30

Meaning of the DriverP4 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = 1 if Active, 0 if No alarm.

3.6. Read Latest Alarm Reset

Description of this command:

Reads the latest alarm reset information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-6

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

32

Meaning of the DriverP3 parameter:

21

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Number of resets
Value in PointValue (1) = Year
Value in PointValue (2) = Month
Value in PointValue (3) = Day
Value in PointValue (4) = Hour

Value in PointValue (5) = Minutes

3.7. Read Number of Alarms Since Reset

Description of this command:

Reads the number of alarms since reset information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

39

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.8. Read Alarms Since Reset 1-25

Description of this command:

Reads the alarms since reset 1-25 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-175

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

40

Meaning of the DriverP3 parameter:

20

Meaning of the DriverP4 parameter:

7

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Number of resets of alarm since reset 1
Value in PointValue (1) = Year of alarm since reset 1
Value in PointValue (2) = Month of alarm since reset 1
Value in PointValue (3) = Day of alarm since reset 1
Value in PointValue (4) = Hour of alarm since reset 1
Value in PointValue (5) = Minutes of alarm since reset 1
Value in PointValue (6) = Seconds of alarm since reset 1
Value in PointValue (7) = Number of resets of alarm since reset 2
Value in PointValue (8) = Year of alarm since reset 2
Value in PointValue (9) = Month of alarm since reset 2
Value in PointValue (10) = Day of alarm since reset 2
Value in PointValue (11) = Hour of alarm since reset 2
Value in PointValue (12) = Minutes of alarm since reset 2
Value in PointValue (13) = Seconds of alarm since reset 2
...
Value in PointValue (168) = Number of resets of alarm since reset 25
Value in PointValue (169) = Year of alarm since reset 25
Value in PointValue (170) = Month of alarm since reset 25
Value in PointValue (171) = Day of alarm since reset 25
Value in PointValue (172) = Hour of alarm since reset 25

Value in PointValue (173) = Minutes of alarm since reset 25

Value in PointValue (174) = Seconds of alarm since reset 25

3.9. Read Language

Description of this command:

Reads the language information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

70

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.10. Read Predefined Id's, Primary Set

Description of this command:

Reads the predefined Id's, primary set information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-9

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

80

Meaning of the DriverP3 parameter:

9

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.11. Read All Energy Import and Export

Description of this command:

Reads the all energy import and export information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-6

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

101

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

- Value in PointValue (0) = Active energy import
- Value in PointValue (1) = Active energy export
- Value in PointValue (2) = Reactive energy import
- Value in PointValue (3) = Reactive energy export
- Value in PointValue (4) = Apparent energy import
- Value in PointValue (5) = Apparent energy export

3.12. Read External Input Registers

Description of this command:

Reads the external input registers information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

107

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = External Input 1 Register

Value in PointValue (1) = External Input 2 Register

Value in PointValue (2) = External Input 3 Register

3.13. Read Tariff Data Value 1

Description of this command:

Reads the tariff data value 1.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

121

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Tariff data value 1-1
Value in PointValue (1) = Tariff data value 1-2
Value in PointValue (2) = Tariff data value 1-3
Value in PointValue (3) = Tariff data value 1-4
Value in PointValue (4) = Tariff data value 1-5
Value in PointValue (5) = Tariff data value 1-6
Value in PointValue (6) = Tariff data value 1-7
Value in PointValue (7) = Tariff data value 1-8

3.14. Read Tariff Data Value 2

Description of this command:

Reads the tariff data value 2.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

131

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Tariff data value 2-1
Value in PointValue (1) = Tariff data value 2-2
Value in PointValue (2) = Tariff data value 2-3
Value in PointValue (3) = Tariff data value 2-4
Value in PointValue (4) = Tariff data value 2-5
Value in PointValue (5) = Tariff data value 2-6
Value in PointValue (6) = Tariff data value 2-7
Value in PointValue (7) = Tariff data value 2-8

3.15. Read Tariff Data Value 3

Description of this command:

Reads the tariff data value 3.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

141

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Tariff data value 3-1
Value in PointValue (1) = Tariff data value 3-2
Value in PointValue (2) = Tariff data value 3-3
Value in PointValue (3) = Tariff data value 3-4
Value in PointValue (4) = Tariff data value 3-5
Value in PointValue (5) = Tariff data value 3-6
Value in PointValue (6) = Tariff data value 3-7
Value in PointValue (7) = Tariff data value 3-8

3.16. Read Tariff Data Value 4

Description of this command:

Reads the tariff data value 4.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

151

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Tariff data value 4-1
Value in PointValue (1) = Tariff data value 4-2
Value in PointValue (2) = Tariff data value 4-3
Value in PointValue (3) = Tariff data value 4-4
Value in PointValue (4) = Tariff data value 4-5
Value in PointValue (5) = Tariff data value 4-6
Value in PointValue (6) = Tariff data value 4-7
Value in PointValue (7) = Tariff data value 4-8

3.17. Read Tariff Data Value 5

Description of this command:

Reads the tariff data value 5.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-8

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

161

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Tariff data value 5-1
Value in PointValue (1) = Tariff data value 5-2
Value in PointValue (2) = Tariff data value 5-3
Value in PointValue (3) = Tariff data value 5-4
Value in PointValue (4) = Tariff data value 5-5
Value in PointValue (5) = Tariff data value 5-6
Value in PointValue (6) = Tariff data value 5-7
Value in PointValue (7) = Tariff data value 5-8

3.18. Read Average Demand Period

Description of this command:

Reads the average demand period information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

170

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.19. Read Last Reset of Billing Registers

Description of this command:

Reads the last reset of billing registers information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-7

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

171

Meaning of the DriverP3 parameter:

20

Meaning of the DriverP4 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Number of resets
Value in PointValue (1) = Year
Value in PointValue (2) = Month
Value in PointValue (3) = Day

Value in PointValue (4) = Hour
Value in PointValue (5) = Minutes
Value in PointValue (6) = Seconds

3.20. Read Maximum Demand Values 1

Description of this command:

Reads the maximum demand values 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-5

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

180

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Maximum demand values 1:1
Value in PointValue (1) = Maximum demand values 1:2
Value in PointValue (2) = Maximum demand values 1:3
Value in PointValue (3) = Maximum demand values 1:4
Value in PointValue (4) = Maximum demand values 1:5

3.21. Read Date and Time for Maximum Demands 1

Description of this command:

Reads the date and time for maximum demands 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

185

Meaning of the DriverP3 parameter:

11

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for maximum demand 1:1
Value in PointValue (1) = Month for maximum demand 1:1
Value in PointValue (2) = Day for maximum demand 1:1
Value in PointValue (3) = Hour for maximum demand 1:1
Value in PointValue (4) = Minutes for maximum demand 1:1
Value in PointValue (5) = Seconds for maximum demand 1:1
Value in PointValue (6) = Year for maximum demand 1:2
Value in PointValue (7) = Month for maximum demand 1:2
Value in PointValue (8) = Day for maximum demand 1:2
Value in PointValue (9) = Hour for maximum demand 1:2
Value in PointValue (10) = Minutes for maximum demand 1:2
Value in PointValue (11) = Seconds for maximum demand 1:2

...
Value in PointValue (24) = Year for maximum demand 1:5
Value in PointValue (25) = Month for maximum demand 1:5
Value in PointValue (26) = Day for maximum demand 1:5
Value in PointValue (27) = Hour for maximum demand 1:5
Value in PointValue (28) = Minutes for maximum demand 1:5
Value in PointValue (29) = Seconds for maximum demand 1:5

3.22. Read Highest Demand Value 1

Description of this command:

Reads the highest demand value 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

191

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = First highest demand value 1:1
Value in PointValue (1) = Second highest demand value 1:1
Value in PointValue (2) = Third highest demand value 1:1

3.23. Read Date and Time for the Three Highest Demand 1

Description of this command:

Reads the date and time for highest demand 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-18

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

195

Meaning of the DriverP3 parameter:

11

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for maximum demand 1:1
Value in PointValue (1) = Month for maximum demand 1:1
Value in PointValue (2) = Day for maximum demand 1:1
Value in PointValue (3) = Hour for maximum demand 1:1
Value in PointValue (4) = Minutes for maximum demand 1:1
Value in PointValue (5) = Seconds for maximum demand 1:1
Value in PointValue (6) = Year for maximum demand 1:2
Value in PointValue (7) = Month for maximum demand 1:2
Value in PointValue (8) = Day for maximum demand 1:2
Value in PointValue (9) = Hour for maximum demand 1:2

Value in PointValue (10) = Minutes for maximum demand 1:2
Value in PointValue (11) = Seconds for maximum demand 1:2
Value in PointValue (12) = Year for maximum demand 1:3
Value in PointValue (13) = Month for maximum demand 1:3
Value in PointValue (14) = Day for maximum demand 1:3
Value in PointValue (15) = Hour for maximum demand 1:3
Value in PointValue (16) = Minutes for maximum demand 1:3
Value in PointValue (17) = Seconds for maximum demand 1:3

3.24. Read Average Value of Highest Demand 1

Description of this command:

Reads the average value of highest demand 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

199

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.25. Read Maximum Demand Values 2

Description of this command:

Reads the maximum demand values 2 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-5

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

200

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Maximum demand values 2:1
Value in PointValue (1) = Maximum demand values 2:2
Value in PointValue (2) = Maximum demand values 2:3
Value in PointValue (3) = Maximum demand values 2:4
Value in PointValue (4) = Maximum demand values 2:5

3.26. Read Date and Time for Maximum Demands 2

Description of this command:

Reads the date and time for maximum demands 2 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

205

Meaning of the DriverP3 parameter:

11

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

- Value in PointValue (0) = Year for maximum demand 2:1
- Value in PointValue (1) = Month for maximum demand 2:1
- Value in PointValue (2) = Day for maximum demand 2:1
- Value in PointValue (3) = Hour for maximum demand 2:1
- Value in PointValue (4) = Minutes for maximum demand 2:1
- Value in PointValue (5) = Seconds for maximum demand 2:1
- Value in PointValue (6) = Year for maximum demand 2:2
- Value in PointValue (7) = Month for maximum demand 2:2
- Value in PointValue (8) = Day for maximum demand 2:2
- Value in PointValue (9) = Hour for maximum demand 2:2
- Value in PointValue (10) = Minutes for maximum demand 2:2
- Value in PointValue (11) = Seconds for maximum demand 2:2
- ...
- Value in PointValue (24) = Year for maximum demand 2:5
- Value in PointValue (25) = Month for maximum demand 2:5
- Value in PointValue (26) = Day for maximum demand 2:5
- Value in PointValue (27) = Hour for maximum demand 2:5

Value in PointValue (28) = Minutes for maximum demand 2:5

Value in PointValue (29) = Seconds for maximum demand 2:5

3.27. Read Highest Demand Value 2

Description of this command:

Reads the highest demand value 2 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

211

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = First highest demand value 2:1

Value in PointValue (1) = Second highest demand value 2:1

Value in PointValue (2) = Third highest demand value 2:1

3.28. Read Date and Time for the Three Highest Demand 2

Description of this command:

Reads the date and time for highest demand 2 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-18

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

215

Meaning of the DriverP3 parameter:

11

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for maximum demand 2:1
Value in PointValue (1) = Month for maximum demand 2:1
Value in PointValue (2) = Day for maximum demand 2:1
Value in PointValue (3) = Hour for maximum demand 2:1
Value in PointValue (4) = Minutes for maximum demand 2:1
Value in PointValue (5) = Seconds for maximum demand 2:1
Value in PointValue (6) = Year for maximum demand 2:2
Value in PointValue (7) = Month for maximum demand 2:2
Value in PointValue (8) = Day for maximum demand 2:2
Value in PointValue (9) = Hour for maximum demand 2:2

Value in PointValue (10) = Minutes for maximum demand 2:2
Value in PointValue (11) = Seconds for maximum demand 2:2
Value in PointValue (12) = Year for maximum demand 2:3
Value in PointValue (13) = Month for maximum demand 2:3
Value in PointValue (14) = Day for maximum demand 2:3
Value in PointValue (15) = Hour for maximum demand 2:3
Value in PointValue (16) = Minutes for maximum demand 2:3
Value in PointValue (17) = Seconds for maximum demand 2:3

3.29. Read Average Value of Highest Demand 2

Description of this command:

Reads the average value of highest demand 2 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

219

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.30. Read Maximum Demand Values 3

Description of this command:

Reads the maximum demand values 3 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-5

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

220

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Maximum demand values 3:1
Value in PointValue (1) = Maximum demand values 3:2
Value in PointValue (2) = Maximum demand values 3:3
Value in PointValue (3) = Maximum demand values 3:4
Value in PointValue (4) = Maximum demand values 3:5

3.31. Read Date and Time for Maximum Demands 3

Description of this command:

Reads the date and time for maximum demands 3 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0 HMITalk1. HMITalk1.DriverP2 = 225

Meaning of the DriverP3 parameter:

11

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

- Value in PointValue (1) = Month for maximum demand 3:1
- Value in PointValue (2) = Day for maximum demand 3:1
- Value in PointValue (3) = Hour for maximum demand 3:1
- Value in PointValue (4) = Minutes for maximum demand 3:1
- Value in PointValue (5) = Seconds for maximum demand 3:1
- Value in PointValue (6) = Year for maximum demand 3:2
- Value in PointValue (7) = Month for maximum demand 3:2
- Value in PointValue (8) = Day for maximum demand 3:2
- Value in PointValue (9) = Hour for maximum demand 3:2
- Value in PointValue (10) = Minutes for maximum demand 3:2
- Value in PointValue (11) = Seconds for maximum demand 3:2
- ...
- Value in PointValue (24) = Year for maximum demand 3:5
- Value in PointValue (25) = Month for maximum demand 3:5
- Value in PointValue (26) = Day for maximum demand 3:5
- Value in PointValue (27) = Hour for maximum demand 3:5
- Value in PointValue (28) = Minutes for maximum demand 3:5
- Value in PointValue (29) = Seconds for maximum demand 3:5

3.32. Read Highest Demand Value 3

Description of this command:

Reads the highest demand value 3 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

231

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = First highest demand value 3:1

Value in PointValue (1) = Second highest demand value 3:1

Value in PointValue (2) = Third highest demand value 3:1

3.33. Read Date and Time for the Three Highest Demand 3

Description of this command:

Reads the date and time for highest demand 3 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-18

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

235

Meaning of the DriverP3 parameter:

11

Meaning of the DriverP4 parameter:

6

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

- Value in PointValue (0) = Year for maximum demand 3:1
- Value in PointValue (1) = Month for maximum demand 3:1
- Value in PointValue (2) = Day for maximum demand 3:1
- Value in PointValue (3) = Hour for maximum demand 3:1
- Value in PointValue (4) = Minutes for maximum demand 3:1
- Value in PointValue (5) = Seconds for maximum demand 3:1
- Value in PointValue (6) = Year for maximum demand 3:2
- Value in PointValue (7) = Month for maximum demand 3:2
- Value in PointValue (8) = Day for maximum demand 3:2
- Value in PointValue (9) = Hour for maximum demand 3:2
- Value in PointValue (10) = Minutes for maximum demand 3:2
- Value in PointValue (11) = Seconds for maximum demand 3:2
- Value in PointValue (12) = Year for maximum demand 3:3
- Value in PointValue (13) = Month for maximum demand 3:3
- Value in PointValue (14) = Day for maximum demand 3:3
- Value in PointValue (15) = Hour for maximum demand 3:3
- Value in PointValue (16) = Minutes for maximum demand 3:3

Value in PointValue (17) = Seconds for maximum demand 3:3

3.34. Read Average Value of Highest Demand 3

Description of this command:

Reads the average value of highest demand 3 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

239

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.35. Read Current All Phases Primary Values

Description of this command:

Reads the current all phases primary values information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

240

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Current phase A primary value

Value in PointValue (1) = Current phase B primary value

Value in PointValue (2) = Current phase C primary value

3.36. Read Line Voltage All Phases Primary Values

Description of this command:

Reads the line voltage all phases primary values information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a

number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

241

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Line voltage AN primary value

Value in PointValue (1) = Line voltage BN primary value

Value in PointValue (2) = Line voltage CN primary value

3.37. Read Phase Voltage All Phases Primary Values

Description of this command:

Reads the phase voltage all phases primary values information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

242

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Phase voltage phase AB primary value

Value in PointValue (1) = Phase voltage phase BC primary value

Value in PointValue (2) = Phase voltage phase CA primary value

3.38. Read Active Power All Phases Primary Values

Description of this command:

Reads the active power all phases primary values information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

250

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Active power phase A primary value

Value in PointValue (1) = Active power phase B primary value

Value in PointValue (2) = Active power phase C primary value

3.39. Read Total Active Power Primary Value

Description of this command:

Reads the total active power primary value information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

251

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.40. Read Reactive Power All Phases Primary Values

Description of this command:

Reads the reactive power all phases primary values information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

252

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Reactive power phase A primary value

Value in PointValue (1) = Reactive power phase B primary value

Value in PointValue (2) = Reactive power phase C primary value

3.41. Read Total Reactive Power Primary Value

Description of this command:

Reads the total reactive power primary value information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

253

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.42. Read Apparent Power All Phases Primary Values

Description of this command:

Reads the apparent power all phases primary values information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

254

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Apparent power phase A primary value
Value in PointValue (1) = Apparent power phase B primary value
Value in PointValue (2) = Apparent power phase C primary value

3.43. Read Total Apparent Power Primary Value

Description of this command:

Reads the total apparent power primary value information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

255

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.44. Read Frequency

Description of this command:

Reads the frequency information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

260

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.45. Read Power Factor All Phases

Description of this command:

Reads the power factor all phases information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

270

Meaning of the DriverP3 parameter:

3

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Power factor phase A
Value in PointValue (1) = Power factor phase B
Value in PointValue (2) = Power factor phase C

3.46. Read Total Power Factor

Description of this command:

Reads the total power factor information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

271

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.47. Read Time Controlled by 50 or 60 Hz

Description of this command:

Reads the time controlled by 50 or 60 Hz information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

301

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.48. Read Start Summer Time Present Year and Start Winter Time Present Year

Description of this command:

Reads start summer time present year and start winter time present year information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-49

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

311

Meaning of the DriverP3 parameter:

13

Meaning of the DriverP4 parameter:

7

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for start summer time present year.

Value in PointValue (1) = Month for start summer time present year.

Value in PointValue (2) = Day for start summer time present year.

Value in PointValue (3) = Hour for start summer time present year.

Value in PointValue (4) = Month for start winter time present year.

Value in PointValue (5) = Day for start winter time present year.

Value in PointValue (6) = Hour for start winter time present year.

Value in PointValue (7) = Year for start summer time present year + 1.

Value in PointValue (8) = Month for start summer time present year + 1.

Value in PointValue (9) = Day for start summer time present year + 1.

Value in PointValue (10) = Hour for start summer time present year + 1.

Value in PointValue (11) = Month for start winter time present year + 1.

Value in PointValue (12) = Day for start winter time present year + 1.

Value in PointValue (13) = Hour for start winter time present year + 1.

...

Value in PointValue (42) = Year for start summer time present year + 6.

Value in PointValue (43) = Month for start summer time present year + 6.

Value in PointValue (44) = Day for start summer time present year + 6.

Value in PointValue (45) = Hour for start summer time present year + 6.

Value in PointValue (46) = Month for start winter time present year + 6.

Value in PointValue (47) = Day for start winter time present year + 6.

Value in PointValue (48) = Hour for start winter time present year + 6.

3.49. Read Fixed Holidays

Description of this command:

Reads fixed holidays information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-20

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

400

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

2

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Month for fixed holidays.
Value in PointValue (1) = Day for fixed holidays.
Value in PointValue (2) = Month for fixed holidays + 1.
Value in PointValue (3) = Day for fixed holidays + 1.
Value in PointValue (4) = Month for fixed holidays + 2.
Value in PointValue (5) = Day for fixed holidays + 2.
...
Value in PointValue (16) = Month for fixed holidays + 8.
Value in PointValue (17) = Day for fixed holidays + 8.
Value in PointValue (18) = Month for fixed holidays + 9.
Value in PointValue (19) = Day for fixed holidays + 9.

3.50. Read Holidays Present Year

Description of this command:

Reads holidays present year information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

410

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays present year.
Value in PointValue (1) = Month for holidays present year.
Value in PointValue (2) = Day for holidays present year.
Value in PointValue (3) = Year for holidays present year.
Value in PointValue (4) = Month for holidays present year + 1.
Value in PointValue (5) = Day for holidays present year + 1.
Value in PointValue (6) = Year for holidays present year.
Value in PointValue (7) = Month for holidays present year + 2.
Value in PointValue (8) = Day for holidays present year + 2.
...
Value in PointValue (24) = Year for holidays present year.
Value in PointValue (25) = Month for holidays present year + 8.
Value in PointValue (26) = Day for holidays present year + 8.
Value in PointValue (27) = Year for holidays present year.
Value in PointValue (28) = Month for holidays present year + 9.
Value in PointValue (29) = Day for holidays present year + 9.

3.51. Read Holidays Year + 1

Description of this command:

Reads holidays year + 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

430

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays year + 1:1.

Value in PointValue (1) = Month for holidays year + 1:1.

Value in PointValue (2) = Day for holidays year + 1:1.

...

Value in PointValue (27) = Year for holidays year + 1:9.

Value in PointValue (28) = Month for holidays year + 1:9.

Value in PointValue (29) = Day for holidays year + 1:9.

3.52. Read Holidays Year + 2

Description of this command:

Reads holidays year + 2 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

450

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays year + 2:1.

Value in PointValue (1) = Month for holidays year + 2:1.

Value in PointValue (2) = Day for holidays year + 2:1.

...

Value in PointValue (27) = Year for holidays year + 2:9.

Value in PointValue (28) = Month for holidays year + 2:9.

Value in PointValue (29) = Day for holidays year + 2:9.

3.53. Read Holidays Year + 3

Description of this command:

Reads holidays year + 3 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

470

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays year + 3:1.

Value in PointValue (1) = Month for holidays year + 3:1.

Value in PointValue (2) = Day for holidays year + 3:1.

...

Value in PointValue (27) = Year for holidays year + 3:9.

Value in PointValue (28) = Month for holidays year + 3:9.

Value in PointValue (29) = Day for holidays year + 3:9.

3.54. Read Holidays Year + 4

Description of this command:

Reads holidays year + 4 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

490

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays year + 4:1.

Value in PointValue (1) = Month for holidays year + 4:1.

Value in PointValue (2) = Day for holidays year + 4:1.

...

Value in PointValue (27) = Year for holidays year + 4:9.

Value in PointValue (28) = Month for holidays year + 4:9.

Value in PointValue (29) = Day for holidays year + 4:9.

3.55. Read Holidays Year + 5

Description of this command:

Reads holidays year + 5 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

510

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays year + 5:1.

Value in PointValue (1) = Month for holidays year + 5:1.

Value in PointValue (2) = Day for holidays year + 5:1.

...

Value in PointValue (27) = Year for holidays year + 5:9.

Value in PointValue (28) = Month for holidays year + 5:9.

Value in PointValue (29) = Day for holidays year + 5:9.

3.56. Read Holidays Year + 6

Description of this command:

Reads holidays year + 6 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-30

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

530

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for holidays year + 6:1.

Value in PointValue (1) = Month for holidays year + 6:1.

Value in PointValue (2) = Day for holidays year + 6:1.

...

Value in PointValue (27) = Year for holidays year + 6:9.

Value in PointValue (28) = Month for holidays year + 6:9.

Value in PointValue (29) = Day for holidays year + 6:9.

3.57. Read Start Date, Present Tariff

Description of this command:

Reads start date, present tariff information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

600

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for start date, present tariff.
Value in PointValue (1) = Month for start date, present tariff.
Value in PointValue (2) = Day for start date, present tariff.

3.58. Read Energy Rates and Demand Rates, Present Tariff

Description of this command:

Reads energy rates and demand rates, present tariff information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-16

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

606

Meaning of the DriverP3 parameter:

8

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Energy rate 1 present tariff.

Value in PointValue (1) = Energy rate 2 present tariff.

...

Value in PointValue (7) = Energy rate 8 present tariff.

Value in PointValue (8) = Demand rate 1 present tariff.

Value in PointValue (9) = Demand rate 2 present tariff.

...

Value in PointValue (17) = Demand rate 8 present tariff.

3.59. Read Start Date, Comming Tariff

Description of this command:

Reads start date, comming tariff information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

701

Meaning of the DriverP3 parameter:

10

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Year for start date, comming tariff.
Value in PointValue (1) = Month for start date, comming tariff.
Value in PointValue (2) = Day for start date, comming tariff.

3.60. Read Energy Rates and Demand Rates, Comming Tariff

Description of this command:

Reads energy rates and demand rates, comming tariff information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-16

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

706

Meaning of the DriverP3 parameter:

8

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Energy rate 1 comming tariff.

Value in PointValue (1) = Energy rate 2 comming tariff.

...

Value in PointValue (7) = Energy rate 8 comming tariff.

Value in PointValue (8) = Demand rate 1 comming tariff.

Value in PointValue (9) = Demand rate 2 comming tariff.

...

Value in PointValue (17) = Demand rate 8 comming tariff.

3.61. Read Solid State Relay 1 Config

Description of this command:

Reads solid state relay 1 config information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-18

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

801

Meaning of the DriverP3 parameter:

40

Meaning of the DriverP4 parameter:

3

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Type relay 1.
Value in PointValue (1) = State relay 1.
Value in PointValue (2) = Pulse constant relay 1.
...
Value in PointValue (15) = Type relay 6.
Value in PointValue (16) = State relay 6.
Value in PointValue (17) = Pulse constant relay 6.

3.62. Read Remote Control of Relay 1

Description of this command:

Reads remote control of relay 1 information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-6

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means

that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

811

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

- Value in PointValue (0) = Remote control of relay 1.
- Value in PointValue (1) = Remote control of relay 2.
- Value in PointValue (2) = Remote control of relay 3.
- Value in PointValue (3) = Remote control of relay 4.
- Value in PointValue (4) = Remote control of relay 5.
- Value in PointValue (5) = Remote control of relay 6.

3.63. Read Pulse Length Relay Output and End MD-Period

Description of this command:

Reads pulse length relay output and end MD-period information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-2

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

820

Meaning of the DriverP3 parameter:

1

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

Value in PointValue (0) = Pulse length relay output.

Value in PointValue (1) = Pulse length end MD-period.

3.64. Read Voltage and Current Transformer Ratio

Description of this command:

Reads voltage and current transformer ratio information.

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-4

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

890

Meaning of the DriverP3 parameter:

2

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are returned:

- Value in PointValue (0) = Voltage transformer ratio primary.
- Value in PointValue (1) = Voltage transformer ratio secondary.
- Value in PointValue (2) = Current transformer ratio primary.
- Value in PointValue (3) = Current transformer ratio secondary.

3.65. Write Date

Description of this command:

Writes the meter's date information formatted as YY/MM/DD.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

21

Meaning of the DriverP3 parameter:

2

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are sent:

- Value in PointValue (0) = Year
- Value in PointValue (1) = Month
- Value in PointValue (2) = Day

3.66. Write Time

Description of this command:

Writes the meter's time information formatted as hh/mm/ss.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

3

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

22

Meaning of the DriverP3 parameter:

2

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

Values that are sent:

- Value in PointValue (0) = Hour
- Value in PointValue (1) = Minutes
- Value in PointValue (2) = Seconds

3.67. Write Language Used

Description of this command:

Writes the language used (1=english, 2=swedish).

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

70

Meaning of the DriverP3 parameter:

0

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP5 parameter:

2

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.68. Write Alarm Reset

Description of this command:

Writes the latest alarm reset information.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

73

Meaning of the DriverP3 parameter:

0

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP5 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.69. Reset of MD

Description of this command:

Reset of MD information.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

76

Meaning of the DriverP3 parameter:

0

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP5 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.70. Write Logging Reset

Description of this command:

Writes logging reset.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

77

Meaning of the DriverP3 parameter:

0

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP5 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.71. Write Billing Reset

Description of this command:

Writes billing reset information.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

172

Meaning of the DriverP3 parameter:

0

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP5 parameter:

1

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.72. Write Time Controlled

Description of this command:

Writes time controlled information. 00 = Crystal controlled

- 50 = 50 Hertz
- 60 = 60 Hertz

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

301

Meaning of the DriverP3 parameter:

0

Meaning of the DriverP4 parameter:

0

Meaning of the DriverP5 parameter:

2

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.73. Read Consecutive Registers

Description of this command:

Before describing the command, it is important to note here that each register being read can return more than one value so the total number of values read is not necessarily the same number of registers read. This command can read HMITalk1.DriverNumPoints values coming from one or several consecutive registers. The driver will automatically decide (based on the current register format) how many registers must be requested to fill the HMITalk1.DriverNumPoints values reserved. Each register is identified by a unique ID number and uses a different format for returning the values it holds. To allow the driver interpret this data correctly, the format used by the registers must be the same and it is specified by using the HMITalk1.DriverP3 parameter reserved for this purpose (registers that use different formats cannot be read consecutively).

Type of data handled by this command:

Analog Input

Number of points accepted by this command:

1-250

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

0

Meaning of the DriverP2 parameter:

Starting register ID Number (0-16383). See ID number table.

Meaning of the DriverP3 parameter:

Identifies the data format used by all the registers to be read:

- 1 = One decimal or float number (x.x).
- 2 = Two decimal or float numbers (x.x, x.x).
- 3 = Three decimal or float numbers (x.x, x.x, x.x).
- 4 = Four decimal or float numbers.
- 5 = Five decimal or float numbers.
- 6 = Six decimal or float numbers.
- 7 = Seven decimal or float numbers.
- 8 = Eight decimal or float numbers.
- 9 = Nine decimal or float numbers.
- 10 = Date or time type format (YYMMDD) or (hhmmss).
- 11 = Two consecutive date or time formats (YYMMDD,hhmmss).
- 12 = A date format and a reduced time format (YYMMDD,hhmm).
- 13 = Special date and time format (YYMMDDhh,MMDDhh).
- 15 = Fifteen decimal or float numbers.

- 20 = One decimal or float data and two date or time formats (x.x,YYMMDD,hhmms).
- 21 = One decimal or float data, a date format and a reduced time format (x.x,YYMMDD,hhmm).
- 30 = A Y/N indication (Y returned as 1 and N as 0).
- 40 = Data of the following format: ST,B,XXXXX,TT

Values that are sent:

ST = 1 - Active import ST = 2 - Active export ST = 3 - Reactive import ST = 4 - Reactive export
ST = 5 - Apparent import ST = 6 - Apparent export ST = 7 - Sum 1 ST = 8 - Sum 2
ST = 9 - Alarm 1 ST = 10 - Alarm 2 ST = 11 - End MD-period ST = 12 - Tariff control
ST = 13 - Idle ST = 14 - Remote control B = 0 - Open B = 1 - Close XXXX = Decimal or float number

Meaning of the DriverP4 parameter:

Indicates the maximum number of values read from each register. If 0, means that all the available values in each register must be read. If not 0, this number indicates that after reading HMITalk1.DriverP3 values, a new register must be requested to fill the next HMITalk1.DriverP3 values. This is done until HMITalk1.DriverNumPoints values are filled.

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.74. Write Consecutive Registers

Description of this command:

Writes the value/s of a one ID number. Before describing the command, it is important to note here that each register being written can consist of more than one value so the total number of values written is not necessarily the same number of registers affected. This command can write HMITalk1.DriverNumPoints values to one register. Each register is identified by a unique ID number and uses a different format for interpreting the values it receives.

Type of data handled by this command:

Analog Output

Number of points accepted by this command:

1-125

Meaning of the DriverP0 parameter:

Identifies the meter serial number. It is assumed that serial numbers have the Cxxxxxx format, where xxxxxx is the numeric information supplied by this parameter. If 0, means that no serial number is indicated in the sign-on message. It can be additionally entered as a number with the format yyxxxxxx where: yy = ASCII code of the first letter in the serial number. xxxxxx = The remaining six numeric digits.

Meaning of the DriverP1 parameter:

3

Meaning of the DriverP2 parameter:

Starting register ID Number (0-16383). See ID number table.

Meaning of the DriverP3 parameter:

Identifies the data format used by all the registers to be written:

- 0 = decimal or float number (x.x).
- 1 = A reduced time format (hhmm).
- 2 = Date or time type format (YYMMDD) or (hhmmss).
- 3 = A Y/N indication (Y if is 1 and N is 0).

Meaning of the DriverP4 parameter:

Number of decimal digits used when float numbers are written (0-4).

Meaning of the DriverP5 parameter:

Number of integer digits used when numbers are written.

Meaning of the DriverP6 parameter:

This text parameter is used to define whether you are communicating via RS-232 or via the opto port with the Cewe device.

- Leave empty to communicate via RS-232.
- Type the word 'OPTO' to communicate via the opto port.

3.75. ID Number Table for Read Commands

ID No.	Description	Format	Reg.Size
0020	Present tariff info	3 0 0021	Date 10
3 0022	Time	10 3 0031	Alarm active
30 1 0032	Latest alarm reset	21 6 0039	No. of alarms since reset
1 0 0040	Alarm since reset 1	21 6 0041	Alarm since reset 2
21 6 0042	Alarm since reset 3	21 6 0043	Alarm since reset 4
21 6 0044	Alarm since reset 5	21 6 0045	Alarm since reset 6
21 6 0046	Alarm since reset 7	21 6 0047	Alarm since reset 8
21 6 0048	Alarm since reset 9	21 6 0049	Alarm since reset 10
21 6 0051	Alarm since reset 11	21 6 0052	Alarm since reset 12
21 6 0053	Alarm since reset 13	21 6 0054	Alarm since reset 14
21 6 0055	Alarm since reset 15	21 6 0056	Alarm since reset 16
21 6 0057	Alarm since reset 17	21 6 0058	Alarm since reset 18
21 6 0059	Alarm since reset 19	21 6 0060	Alarm since reset 20
21 6 0061	Alarm since reset 21	21 6 0062	Alarm since reset 22
21 6 0063	Alarm since reset 23	21 6 0064	Alarm since reset 24
21 6 0070	Language	1 0 0080	
9 0 0101	Predefined Id's, primary set		Active energy, import 1

0 0102	Active energy, export	1	0 0103	Reactive energy, import
1 0 0104	Reactive energy, export	1	0 0105	Apparent energy, import
1 0 0106	Apparent energy, export	1	0 0107	External input 1 register
1 0 0108	External input 2 register	1	0 0109	External input 3 register
1 0 0122	Tariff data, value 1	1	0 0121	Tariff data, value 1
1 0 0124	Tariff data, value 1	1	0 0123	Tariff data, value 1
1 0 0126	Tariff data, value 1	1	0 0125	Tariff data, value 1
1 0 0128	Tariff data, value 1	1	0 0127	Tariff data, value 1
1 0 0132	Tariff data, value 2	1	0 0131	Tariff data, value 2
1 0 0134	Tariff data, value 2	1	0 0133	Tariff data, value 2
1 0 0136	Tariff data, value 2	1	0 0135	Tariff data, value 2
1 0 0138	Tariff data, value 2	1	0 0137	Tariff data, value 2
1 0 0142	Tariff data, value 3	1	0 0141	Tariff data, value 3
1 0 0144	Tariff data, value 3	1	0 0143	Tariff data, value 3
1 0 0146	Tariff data, value 3	1	0 0145	Tariff data, value 3
1 0 0148	Tariff data, value 3	1	0 0147	Tariff data, value 3
1 0 0152	Tariff data, value 4	1	0 0151	Tariff data, value 4
1 0 0154	Tariff data, value 4	1	0 0153	Tariff data, value 4
1 0 0156	Tariff data, value 4	1	0 0155	Tariff data, value 4
1 0 0158	Tariff data, value 4	1	0 0157	Tariff data, value 4
1 0 0162	Tariff data, value 5	1	0 0161	Tariff data, value 5
1 0 0164	Tariff data, value 5	1	0 0163	Tariff data, value 5
1 0 0166	Tariff data, value 5	1	0 0165	Tariff data, value 5
1 0 0168	Tariff data, value 5	1	0 0167	Tariff data, value 5
1 0 0171	Last reset of billing registers	20	0 0170	Average demand period (minutes)
1 0 0181	Maximun demand value 1:1	1	0 0180	Maximun demand value 1:2
1 0 0182	Maximun demand value 1:3	1	0 0183	Maximun demand value 1:4
1 0 0184	Maximun demand value 1:5	1	0 0185	Maximun demand value 1:0
11 6 0186	Date,Time for maximun demand 1:1	11	6 0186	Date,Time for maximun demand 1:2
11 6 0187	Date,Time for maximun demand 1:2	11	6 0187	Date,Time for maximun demand 1:3
11 6 0188	Date,Time for maximun demand 1:3	11	6 0188	Date,Time for maximun demand 1:4
11 6 0189	Date,Time for maximun demand 1:4	11	6 0189	Date,Time for maximun demand 1:5
1 0 0191	The highest demand values.	1	0 0191	The highest demand values.
1 0 0192	The second highest demand values.	1	0 0192	The second highest demand values.
1 0 0193	The third highest demand values.	1	0 0193	The third highest demand values.
11 18 0199	Date, time for the three highest demands.	11	18 0199	Average value of 0191-0193
1 0 0200	Maximun demand value 2:1	1	0 0200	Maximun demand value 2:1
1 0 0202	Maximun demand value 2:2	1	0 0202	Maximun demand value 2:2
1 0 0203	Maximun demand value 2:3	1	0 0203	Maximun demand value 2:3
1 0 0204	Maximun demand value 2:4	1	0 0204	Maximun demand value 2:4
11 6 0205	Date, time for maximun demand 2:1	11	6 0205	Date, time for maximun demand 2:1
11 6 0206	Date, time for maximun demand 2:2	11	6 0206	Date, time for maximun demand 2:2
11 6 0207	Date, time for maximun demand 2:3	11	6 0207	Date, time for maximun demand 2:3
11 6 0208	Date, time for maximun demand 2:4	11	6 0208	Date, time for maximun demand 2:4
11 6 0209	Date, time for maximun demand 2:5	11	6 0209	Date, time for maximun demand 2:5
1 0 0211	The highest demand values.	1	0 0211	The highest demand values.
1 0 0212	The second highest demand values.	1	0 0212	The second highest demand values.
1 0 0213	The third highest demand values.	1	0 0213	The third highest demand values.
11 18 0215	Date, time for the three highest demands.	11	18 0215	Average value of 0211-0215
1 0 0220	Maximun demand value 2:1	1	0 0220	Maximun demand value 2:1
1 0 0221	Maximun demand value 2:2	1	0 0221	Maximun demand value 2:2
1 0 0222	Maximun demand value 2:3	1	0 0222	Maximun demand value 2:3
1 0 0223	Maximun demand value 2:4	1	0 0223	Maximun demand value 2:4

1 0 0224	Maximun demand value 2:5	1 0 0225	Date, time for
maximun demand 2:1	11 6 0226	Date, time for maximun demand 2:2	11
6 0227	Date, time for maximun demand 2:3	11 6 0228	Date, time for
maximun demand 2:4	11 6 0229	Date, time for maximun demand 2:5	11
6 0231	The highest demand values.	1 0 Demand value 1:1 0232	The
second highest demand values.	1 0 Demand value 1:1 0233	The third highest	
demand values.	1 0 Demand value 1:1 0235	Date, time for the three highest	
11 18 demands. 0239	Average value of 0231-0233	1 0 0240	
Current, all phases, primary values	3 0 0241	Line voltage, all phases, primary	
3 0 values 0242	Phase voltage, all phases, primary	3 0 values 0250	
Active power, all phases, primary values	3 0 0251	Total active power primary	
3 0 0252	Reactive power, all phases, primary	3 0 values 0253	Total
reactive power primary	3 0 0254	Apparent power, all phases, primary	3
0 values 0255	Total apparent power primary	3 0 0260	Frecuency
1 0 0270	Power factor, all phases	3 0 0271	Total power factor
1 0 0301	Time controlled by 50 or 60 Hz	1 0 0311	Start summer
time present year,	13 7 start winter time present year 0312	Start summer time	
present year + 1,	13 7 start winter time present year + 1 0313	Start summer time	
present year + 2,	13 7 start winter time present year + 2 0314	Start summer time	
present year + 3,	13 7 start winter time present year + 3 0315	Start summer time	
present year + 4,	13 7 start winter time present year + 4 0316	Start summer time	
present year + 5,	13 7 start winter time present year + 5 0317	Start summer time	
present year + 6,	13 7 start winter time present year + 6 0400	Fixed Holidays 1	
10 2 0401	Fixed Holidays 2	10 2 0402	Fixed Holidays 3
10 2 0403	Fixed Holidays 4	10 2 0404	Fixed Holidays 5
10 2 0405	Fixed Holidays 6	10 2 0406	Fixed Holidays 7
10 2 0407	Fixed Holidays 8	10 2 0408	Fixed Holidays 9
10 2 0409	Fixed Holidays 10	10 2 0410	Holidays 1 present
year	10 3 0411	Holidays 2 present year	10 3 0412
Holidays 3 present year	10 3 0413	Holidays 4 present year	10
3 0414	Holidays 5 present year	10 3 0415	Holidays 6 present year
10 3 0416	Holidays 7 present year	10 3 0417	Holidays 8 present
year	10 3 0418	Holidays 9 present year	10 3 0419
Holidays 10 present year	10 3 0430	Holidays year 1:1	10
3 0431	Holidays year 1:2	10 3 0432	Holidays year 1:3
10 3 0433	Holidays year 1:4	10 3 0434	Holidays year 1:5
10 3 0435	Holidays year 1:6	10 3 0436	Holidays year 1:7
10 3 0437	Holidays year 1:8	10 3 0438	Holidays year 1:9
10 3 0439	Holidays year 1:10	10 3 0450	Holidays year 2:1
10 3 0451	Holidays year 2:2	10 3 0452	Holidays year 2:3
10 3 0453	Holidays year 2:4	10 3 0454	Holidays year 2:5
10 3 0455	Holidays year 2:6	10 3 0456	Holidays year 2:7
10 3 0457	Holidays year 2:8	10 3 0458	Holidays year 2:9
10 3 0459	Holidays year 2:10	10 3 0470	Holidays year 3:1
10 3 0471	Holidays year 3:2	10 3 0472	Holidays year 3:3
10 3 0473	Holidays year 3:4	10 3 0474	Holidays year 3:5
10 3 0475	Holidays year 3:6	10 3 0476	Holidays year 3:7
10 3 0477	Holidays year 3:8	10 3 0478	Holidays year 3:9
10 3 0479	Holidays year 3:10	10 3 0490	Holidays year 4:1

10	3 0491	Holidays year 4:2	10	3 0492	Holidays year 4:3
10	3 0493	Holidays year 4:4	10	3 0494	Holidays year 4:5
10	3 0495	Holidays year 4:6	10	3 0496	Holidays year 4:7
10	3 0497	Holidays year 4:8	10	3 0498	Holidays year 4:9
10	3 0499	Holidays year 4:10	10	3 0510	Holidays year 5:1
10	3 0511	Holidays year 5:2	10	3 0512	Holidays year 5:3
10	3 0513	Holidays year 5:4	10	3 0514	Holidays year 5:5
10	3 0515	Holidays year 5:6	10	3 0516	Holidays year 5:7
10	3 0517	Holidays year 5:8	10	3 0518	Holidays year 5:9
10	3 0519	Holidays year 5:10	10	3 0530	Holidays year 6:1
10	3 0531	Holidays year 6:2	10	3 0532	Holidays year 6:3
10	3 0533	Holidays year 6:4	10	3 0534	Holidays year 6:5
10	3 0535	Holidays year 6:6	10	3 0536	Holidays year 6:7
10	3 0537	Holidays year 6:8	10	3 0538	Holidays year 6:9
10	3 0539	Holidays year 6:10	10	3 0600	Start date, present
tariff	10	3 0601	Season 1, present tariff	10	2 0602
Season 2, present tariff	10	2 0603	Season 3, present tariff	10	
2 0604	Season 4, present tariff	10	2 0605	Season 5, present tariff	
10	2 0606	Energy rates, present tariff	8	0 0607	Demand rates,
present tariff	8	0 0610	Daytype A, present tariff	10	2 0620
Daytype B, present tariff	10	2 0630	Daytype C, present tariff	10	
2 0640	Daytype D, present tariff	10	2 0650	Daytype E, present	
tariff	10	2 0660	Daytype F, present tariff	10	2 0670
Daytype G, present tariff	10	2 0680	Daytype H, present tariff	10	
2 0700	Start date, comming tariff	10	3 0701	Season 1, comming	
tariff	10	2 0702	Season 2, comming tariff	10	2 0703
Season 3, comming tariff	10	2 0704	Season 4, comming tariff		
10	2 0705	Season 5, comming tariff	10	2 0706	Energy rates,
comming tariff	8	0 0707	Demand rates, comming tariff	8	0 0710
Daytype A, comming tariff	10	2 0720	Daytype B, comming tariff		
10	2 0730	Daytype C, comming tariff	10	2 0740	Daytype D,
comming tariff	10	2 0750	Daytype E, comming tariff	10	2
0760	Daytype F, comming tariff	10	2 0770	Daytype G, comming	
tariff	10	2 0780	Daytype H, comming tariff	10	2 0801
Solid state relay 1 config	40	3 0802	Solid state relay 2 config	40	
3 0803	Solid state relay 3 config	40	3 0804	Solid state relay 4 config	
40	3 0805	Solid state relay 5 config	40	3 0806	Solid state relay 6
config	40	3 0811	Remote control of relay 1	1	0 0812
Remote control of relay 2	1	0 0813	Remote control of relay 3	1	
0 0814	Remote control of relay 4	1	0 0815	Remote control of relay	
5	1	0 0816	Remote control of relay 6	1	0 0820
Pulse					
length relay output	1	0 0821	Pulse length end MD-period	1	0
0851	Average demand 1:1 config	8	0 0852	Average demand 2:1	
config	8	0 0853	Average demand 3:1 config	8	0 0854
Average demand 4:1 config	8	0 0855	Average demand 5:1 config		
8	0 0856	Average demand 1:2 config	8	0 0857	Average demand
2:2 config	8	0 0858	Average demand 3:2 config	8	0 0859
Average demand 4:2 config	8	0 0860	Average demand 5:2 config		
8	0 0861	Average demand 1:3 config	8	0 0862	Average demand

2:3 config 8 0 0863 Average demand 3:3 config 8 0 0864
 Average demand 4:3 config 8 0 0865 Average demand 5:3 config
 8 0

3.76. ID Number Table for Write Commands

ID No.	Description	Format	Reg.	Size	Int
0021	Date	2	3	0022	Time 2
3 0070	Language	0	1	2 0073	Alarm reset
0 1 1 0076	Reset of MD	0	1	1 0077	Logging
reset		0	1	1 0172	Billing reset 0 1 1
0301	Time controlled by 50 or 60 Hz	0	1	2 0400	Fixed Holidays 1
1 2 0401	Fixed Holidays 2	1	2	0402	Fixed Holidays 3
1 2 0403	Fixed Holidays 4	1	2	0404	Fixed Holidays 5
1 2 0405	Fixed Holidays 6	1	2	0406	Fixed Holidays 7
1 2 0407	Fixed Holidays 8	1	2	0408	Fixed Holidays 9
1 2 0409	Fixed Holidays 10	1	2	0410	Holidays 1 present
year		2	3	0411	Holidays 2 present year 2 3 0412
Holidays 3 present year		2	3	0413	Holidays 4 present year 2
3 0414	Holidays 5 present year	2	3	0415	Holidays 6 present year
2 3 0416	Holidays 7 present year	2	3	0417	Holidays 8 present
year		2	3	0418	Holidays 9 present year 2 3 0419
Holidays 10 present year		2	3	0430	Holidays year 1:1 2
3 0431	Holidays year 1:2	2	3	0432	Holidays year 1:3
2 3 0433	Holidays year 1:4	2	3	0434	Holidays year 1:5
2 3 0435	Holidays year 1:6	2	3	0436	Holidays year 1:7
2 3 0437	Holidays year 1:8	2	3	0438	Holidays year 1:9
2 3 0439	Holidays year 1:10	2	3	0450	Holidays year 2:1
2 3 0451	Holidays year 2:2	2	3	0452	Holidays year 2:3
2 3 0453	Holidays year 2:4	2	3	0454	Holidays year 2:5
2 3 0455	Holidays year 2:6	2	3	0456	Holidays year 2:7
2 3 0457	Holidays year 2:8	2	3	0458	Holidays year 2:9
2 3 0459	Holidays year 2:10	2	3	0470	Holidays year 3:1
2 3 0471	Holidays year 3:2	2	3	0472	Holidays year 3:3
2 3 0473	Holidays year 3:4	2	3	0474	Holidays year 3:5
2 3 0475	Holidays year 3:6	2	3	0476	Holidays year 3:7
2 3 0477	Holidays year 3:8	2	3	0478	Holidays year 3:9
2 3 0479	Holidays year 3:10	2	3	0490	Holidays year 4:1
2 3 0491	Holidays year 4:2	2	3	0492	Holidays year 4:3
2 3 0493	Holidays year 4:4	2	3	0494	Holidays year 4:5
2 3 0495	Holidays year 4:6	2	3	0496	Holidays year 4:7
2 3 0497	Holidays year 4:8	2	3	0498	Holidays year 4:9
2 3 0499	Holidays year 4:10	2	3	0510	Holidays year 5:1
2 3 0511	Holidays year 5:2	2	3	0512	Holidays year 5:3
2 3 0513	Holidays year 5:4	2	3	0514	Holidays year 5:5
2 3 0515	Holidays year 5:6	2	3	0516	Holidays year 5:7
2 3 0517	Holidays year 5:8	2	3	0518	Holidays year 5:9

2	3 0519	Holidays year 5:10	2	3 0530	Holidays year 6:1
2	3 0531	Holidays year 6:2	2	3 0532	Holidays year 6:3
2	3 0533	Holidays year 6:4	2	3 0534	Holidays year 6:5
2	3 0535	Holidays year 6:6	2	3 0536	Holidays year 6:7
2	3 0537	Holidays year 6:8	2	3 0538	Holidays year 6:9
2	3 0539	Holidays year 6:10	2	3 0608	Clear all seasons,
present tariff	0 1	1 0609	Clear all daytypes, present tariff	0 1	1
0708	Clear all seasons, comming tariff	0 1	1 0709	Clear all	
daytypes, comming tariff	0 1	1 0811	Remote control of relay 1		0
1	1 0812	Remote control of relay 2	0 1	1 0813	Remote
control of relay 3	0 1	1 0814	Remote control of relay 4		0
1	1 0815	Remote control of relay 5	0 1	1 0816	Remote
control of relay 6	0 1	1 0820	Pulse length relay output		0
1	2 0821	Pulse length end MD-period	0 1	2	

4. Appendices

4.1. Error messages

The following list shows all the possible error messages that can be returned by the protocol driver during a failed communication in the 'DriverStatus' property.

This list does not include some error messages that can be returned by the activex component while attempting to establish a connection.

- [1005] DRIVER (Internal): Invalid driver stage
- [1101] DRIVER (Port): Error manipulating baud-rate for opto port communication
- [1102] DRIVER (Port): Error reading current baud-rate from port
- [1200] DRIVER (System): Error clearing stop date in %s
- [1201] DRIVER (System): Error closing %s
- [1202] DRIVER (System): Error creating %s
- [1203] DRIVER (System): Error obtaining factors and units information
- [1208] DRIVER (System): Error seeking end of %s
- [1210] DRIVER (System): Error writing to %s
- [1211] DRIVER (System): Invalid factor index
- [1300] PROTOCOL (Timeout): No answer
- [1413] PROTOCOL (Format): Invalid password
- [1433] PROTOCOL (Format): Validation error in device response
- [2002] CONFIG (DataType): Digital inputs are not supported by this driver
- [2003] CONFIG (DataType): Digital outputs are not supported by this driver
- [2136] CONFIG (NumValues): Maximum number of channels is 5
- [3042] CONFIG (P0): Invalid serial number
- [3508] CONFIG (P1): Invalid command
- [4092] CONFIG (P2): Invalid register id number
- [4500] CONFIG (P3): Format not supported
- [5006] CONFIG (P4): Invalid decimal digits size (0-4)
- [5017] CONFIG (P4): Invalid number
- [8131] CONFIG (Remote): Error restoring setting original baud-rate for Opto port

4.2. Keywords list

The following list shows a set of words directly related to this driver.

"1107, CEWE, Data, IEC, Instruments, Meter, Prometer".