Industrial communication solutions for Windows

XCEWE Driver Manual

Cewe Instruments Using IEC 1107 Data Protocol Driver

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General information

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.

Its 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.

Command list

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.

Methods used to run 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 (containig 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 transmition 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 XXYYYYYY, 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 omited 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 omited, the default header "Time" will be used. Multiline headers are allowed by spliting 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 omited, 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 omited, the password default used is 0000.

SamplesInBlock:

Number between 2 and 16 indicating how many groups of samples must be transmited 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 omited, 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 omited, 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 tipical 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 omited).
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.

Read Meter Serial Number

Description of this command:
Reads the meter's serial number information.
Methods used to run 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 XXYYYYYY, where: XX = ASCII code of the first letter in the serial number. YYYYYY = The remaining six numeric digits.

Read Date

Description of this command:
Reads the meter's date information formatted as YY/MM/DD.
Methods used to run 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

Read Time

Description of this command:
Reads the meter's time information formatted as hh/mm/ss.
Methods used to run 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

Read if Alarm Active

Description of this command:
Informs if there is an alarm active (1=Active, 0=No alarm).
Methods used to run 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.

Read Latest Alarm Reset

Description of this command:
Reads the latest alarm reset information.

Methods used to run 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

Read Number of Alarms Since Reset

Description of this command:
Reads the number of alarms since reset information.

Methods used to run 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.

Read Alarms Since Reset 1-25

Description of this command:

Reads the alarms since reset 1-25 information.

Methods used to run 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

Read Language

Description of this command:
Reads the language information.
Methods used to run 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.

Read Predefined Id's, Primary Set

Description of this command:
Reads the predefined Id's, primary set information.
Methods used to run 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.

Read All Energy Import and Export

Description of this command:
Reads the all energy import and export information.
Methods used to run 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

Read External Input Registers

Description of this command:
Reads the external input registers information.

Methods used to run 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

Read Tariff Data Value 1

Description of this command:
Reads the tariff data value 1.

Methods used to run 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

Read Tariff Data Value 2

Description of this command:
Reads the tariff data value 2.

Methods used to run 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

Read Tariff Data Value 3

Description of this command:
Reads the tariff data value 3.
Methods used to run 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

Read Tariff Data Value 4

Description of this command:
Reads the tariff data value 4.
Methods used to run 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

Read Tariff Data Value 5

Description of this command:
Reads the tariff data value 5.
Methods used to run 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

Read Average Demand Period

Description of this command:
Reads the average demand period information.

Methods used to run 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.

Read Last Reset of Billing Registers

Description of this command:
Reads the last reset of billing registers information.

Methods used to run 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

Read Maximum Demand Values 1

Description of this command:
Reads the maximum demand values 1 information.

Methods used to run 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

Read Date and Time for Maximum Demands 1

Description of this command:
Reads the date and time for maximum demands 1 information.

Methods used to run 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

Read Highest Demand Value 1

Description of this command:
Reads the highest demand value 1 information.
Methods used to run 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

Read Date and Time for the Three Highest Demand 1

Description of this command:
Reads the date and time for highest demand 1 information.
Methods used to run 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

Read Average Value of Highest Demand 1

Description of this command:
Reads the average value of highest demand 1 information.

Methods used to run 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.

Read Maximum Demand Values 2

Description of this command:
Reads the maximum demand values 2 information.

Methods used to run 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

Read Date and Time for Maximum Demands 2

Description of this command:
Reads the date and time for maximum demands 2 information.

Methods used to run 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

Read Highest Demand Value 2

Description of this command:
Reads the highest demand value 2 information.
Methods used to run 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

Read Date and Time for the Three Highest Demand 2

Description of this command:
Reads the date and time for highest demand 2 information.
Methods used to run 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

Read Average Value of Highest Demand 2

Description of this command:
Reads the average value of highest demand 2 information.

Methods used to run 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.

Read Maximum Demand Values 3

Description of this command:
Reads the maximum demand values 3 information.
Methods used to run 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

Read Date and Time for Maximum Demands 3

Description of this command:
Reads the date and time for maximum demands 3 information.
Methods used to run 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

Read Highest Demand Value 3

Description of this command:
Reads the highest demand value 3 information.
Methods used to run 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

Read Date and Time for the Three Highest Demand 3

Description of this command:
Reads the date and time for highest demand 3 information.
Methods used to run 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

Read Average Value of Highest Demand 3

Description of this command:
Reads the average value of highest demand 3 information.
Methods used to run 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.

Read Current All Phases Primary Values

Description of this command:
Reads the current all phases primary values information.

Methods used to run 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

Read Line Voltage All Phases Primary Values

Description of this command:
Reads the line voltage all phases primary values information.

Methods used to run 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

Read Phase Voltage All Phases Primary Values

Description of this command:
Reads the phase voltage all phases primary values information.

Methods used to run 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

Read Active Power All Phases Primary Values

Description of this command:
Reads the active power all phases primary values information.

Methods used to run 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

Read Total Active Power Primary Value

Description of this command:
Reads the total active power primary value information.

Methods used to run 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.

Read Reactive Power All Phases Primary Values

Description of this command:
Reads the reactive power all phases primary values information.

Methods used to run 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

Read Total Reactive Power Primary Value

Description of this command:
Reads the total reactive power primary value information.

Methods used to run 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.

Read Apparent Power All Phases Primary Values

Description of this command:
Reads the apparent power all phases primary values information.

Methods used to run 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

Read Total Apparent Power Primary Value

Description of this command:
Reads the total apparent power primary value information.

Methods used to run 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.

Read Frequency

Description of this command:
Reads the frequency information.

Methods used to run 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.

Read Power Factor All Phases

Description of this command:
Reads the power factor all phases information.

Methods used to run 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

Read Total Power Factor

Description of this command:
Reads the total power factor information.
Methods used to run 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.

Read Time Controlled by 50 or 60 Hz

Description of this command:
Reads the time controlled by 50 or 60 Hz information.
Methods used to run 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.

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.
Methods used to run 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.

Read Fixed Holidays

Description of this command:
Reads fixed holidays information.
Methods used to run 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.

Read Holidays Present Year

Description of this command:
Reads holidays present year information.
Methods used to run 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.

Read Holidays Year + 1

Description of this command:
Reads holidays year + 1 information.
Methods used to run 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.

Read Holidays Year + 2

Description of this command:
Reads holidays year + 2 information.
Methods used to run 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.

Read Holidays Year + 3

Description of this command:
Reads holidays year + 3 information.
Methods used to run 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.

Read Holidays Year + 4

Description of this command:
>Reads holidays year + 4 information.

Methods used to run 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.

Read Holidays Year + 5

Description of this command:
>Reads holidays year + 5 information.

Methods used to run 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.

Read Holidays Year + 6

Description of this command:
Reads holidays year + 6 information.

Methods used to run 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.

Read Start Date, Present Tariff

Description of this command:
Reads start date, present tariff information.

Methods used to run 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.

Read Energy Rates and Demand Rates, Present Tariff

Description of this command:
Reads energy rates and demand rates, present tariff information.

Methods used to run 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.

Read Start Date, Comming Tariff

Description of this command:
Reads start date, comming tariff information.
Methods used to run 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.

Read Energy Rates and Demand Rates, Comming Tariff

Description of this command:
Reads energy rates and demand rates, comming tariff information.
Methods used to run 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.

Read Solid State Relay 1 Config

Description of this command:
Reads solid state relay 1 config information.
Methods used to run 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.

Read Remote Control of Relay 1

Description of this command:
Reads remote control of relay 1 information.
Methods used to run 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.

Read Pulse Length Relay Output and End MD-Period

Description of this command:
   Reads pulse length relay output and end MD-period information.
Methods used to run 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.

Read Voltage and Current Transformer Ratio

Description of this command:
   Reads voltage and current transformer ratio information.
Methods used to run 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.

Write Date

Description of this command:
Writes the meter's date information formatted as YY/MM/DD.
Methods used to run 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

Write Time

Description of this command:
Writes the meter's time information formatted as hh/mm/ss.
Methods used to run 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

Write Language Used

Description of this command:
Writes the language used (1=english, 2=swedish).

Methods used to run 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.

Write Alarm Reset

Description of this command:
Writes the latest alarm reset information.

Methods used to run 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.

Reset of MD

Description of this command:
Reset of MD information.
Methods used to run 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.

Write Logging Reset

Description of this command:
Writes logging reset.
Methods used to run 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.

Write Billing Reset

Description of this command:
Writes billing reset information.
Methods used to run 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.

Write Time Controlled

Description of this command:
Writes time controlled information. 00 = Crystal controlled
- 50 = 50 Hertz
- 60 = 60 Hertz
Methods used to run 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.

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).

Methods used to run 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,hhmmss).
- 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.

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.

Methods used to run 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.

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 0050	Alarm since reset 11		21	6 0051	Alarm since reset 12
21	6 0052	Alarm since reset 13		21	6 0053	Alarm since reset 14
21	6 0054	Alarm since reset 15		21	6 0055	Alarm since reset 16
21	6 0056	Alarm since reset 17		21	6 0057	Alarm since reset 18
21	6 0058	Alarm since reset 19		21	6 0059	Alarm since reset 20
21	6 0060	Alarm since reset 21		21	6 0061	Alarm since reset 22
21	6 0062	Alarm since reset 23		21	6 0063	Alarm since reset 24
21	6 0064	Alarm since reset 25		21	6 0070	Language
1	0 0080	Predefined Id's, primary set		9	0 0101	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 0121	Tariff data, value 1		1	0 0122	Tariff data, value 1
1	0 0123	Tariff data, value 1		1	0 0124	Tariff data, value 1
1	0 0125	Tariff data, value 1		1	0 0126	Tariff data, value 1
1	0 0127	Tariff data, value 1		1	0 0128	Tariff data, value 1
1	0 0131	Tariff data, value 2		1	0 0132	Tariff data, value 2
1	0 0133	Tariff data, value 2		1	0 0134	Tariff data, value 2
1	0 0135	Tariff data, value 2		1	0 0136	Tariff data, value 2
1	0 0137	Tariff data, value 2		1	0 0138	Tariff data, value 2
1	0 0141	Tariff data, value 3		1	0 0142	Tariff data, value 3
1	0 0143	Tariff data, value 3		1	0 0144	Tariff data, value 3
1	0 0145	Tariff data, value 3		1	0 0146	Tariff data, value 3
1	0 0147	Tariff data, value 3		1	0 0148	Tariff data, value 3
1	0 0151	Tariff data, value 4		1	0 0152	Tariff data, value 4
1	0 0153	Tariff data, value 4		1	0 0154	Tariff data, value 4
1	0 0155	Tariff data, value 4		1	0 0156	Tariff data, value 4
1	0 0157	Tariff data, value 4		1	0 0158	Tariff data, value 4
1	0 0161	Tariff data, value 5		1	0 0162	Tariff data, value 5
1	0 0163	Tariff data, value 5		1	0 0164	Tariff data, value 5
1	0 0165	Tariff data, value 5		1	0 0166	Tariff data, value 5
1	0 0167	Tariff data, value 5		1	0 0168	Tariff data, value 5

1 0 0170 Average damand period (minutes) 1 0 0171 Last reset of billing registers 20 7 0180 Maximun demand value 1:1 1 0 0181 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 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 1:3 11 6 0188 Date,Time for maximun demand 1:4 11 6 0189 Date,Time for maximun demand 1:5 11 6 0191 The highest demand values. 1 0 Demand value 1:1 0192 The second highest demand values. 1 0 Demand value 1:1 0193 The third highest demand values. 1 0 Demand value 1:1 0195 Date, time for the three highest 11 18 demands. 0199 Average value of 0191-0193 1 0 0200 Maximun demand value 2:1 1 0 0201 Maximun demand value 2:2 1 0 0202 Maximun demand value 2:3 1 0 0203 Maximun demand value 2:4 1 0 0204 Maximun demand value 2:5 1 0 0205 Date, time for maximun demand 2:1 11 6 0206 Date, time for maximun demand 2:2 11 6 0207 Date, time for maximun demand 2:3 11 6 0208 Date, time for maximun demand 2:4 11 6 0209 Date, time for maximun demand 2:5 11 6 0211 The highest demand values. 1 0 Demand value 1:1 0212 The second highest demand values. 1 0 Demand value 1:1 0213 The third highest demand values. 1 0 Demand value 1:1 0215 Date, time for the three highest 11 18 demands. 0219 Average value of 0211-0215 1 0 0220 Maximun demand value 2:1 1 0 0221 Maximun demand value 2:2 1 0 0222 Maximun demand value 2:3 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

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	

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

Error messages

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

[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

Supported devices

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

CEWE Instruments Prometer Meter