

Industrial communication solutions for Windows

XGAVAZZI Driver Manual

Carlo GAVAZZI Instruments Protocol Driver

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XGAVAZZI technical specifications

General information

XGAVAZZI driver allows you to connect with Carlo GAVAZZI Instruments, WM1-DIN Power Meter Series.
RS-232 and RS-485 communications are both supported by these meters. Up to 32 meters can be connected when using RS-485.

Command list

Request for Volt

Description of this command:

This command reads the Voltage value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

3

Request for Ampere

Description of this command:

This command reads the Current (amps.) value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

4

Request for Power Factor / CosFi

Description of this command:

This command reads the Power Factor value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

5

Request for W

Description of this command:

This command reads the Active Power value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

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Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

6

Request for VA

Description of this command:

This command reads the Aparent Power value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

7

Request for VAR

Description of this command:

This command reads the Reactive Power value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

8

Request for Energy

Description of this command:

This command reads the Energy value of the Power Meter.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

9

Request for Output State

Description of this command:

This command reads Status of the Power Meter's Output. This command is considered as an

Analog Input holding digital information.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

10

Activate Output

Description of this command:

This command activates an output of the Power Meter.

Methods used to run this command:

Digital Output

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Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

0

Deactivate Output

Description of this command:

This command deactivates an output of the Power Meter.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

1

Reset Total Value

Description of this command:

This command resets total values of the Power Meter.

Methods used to run this command:

Digital Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Address (0-255)

Meaning of the DriverP1 parameter:

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
[1300] PROTOCOL (Timeout): No answer
[1421] PROTOCOL (Format): Negative acknowledge received from device
[2001] CONFIG (DataType): Analog outputs are not supported by this driver
[2002] CONFIG (DataType): Digital inputs are not supported by this driver
[2147] CONFIG (NumValues): Only one value can be read or written
[3515] CONFIG (P1): Invalid command (0/1/2)
[3529] CONFIG (P1): Invalid command (3/4/5/6/7/8/9/10)
[8255] CONFIG (Remote): Overflow error present on requested data
[8349] CONFIG (Remote): Unknown error present on requested data

Supported devices

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

GAVAZZI WM1-DIN Power Meter Series

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