

Industrial communication solutions for Windows

XGLOBALW Driver Manual

Global Weighing MP 30 Protocol Driver

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XGLOBALW technical specifications

General information

XGLOBALW driver allows you to connect to the Sartorius Global Weighing MP 30 digital indicators. The equipment is expected to use mnemonics in the communication messages.

Command list

Read Net Weight

Description of this command:

This command allows you to read the Net Weight value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

0

Values that are returned:

Value in PointValue (0) = Value read

Read Total

Description of this command:

This command allows you to read the Total value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

1

Values that are returned:

Value in PointValue (0) = Value read

Read Max Input

Description of this command:

This command allows you to read the Max Input value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

2

Values that are returned:

Value in PointValue (0) = Value read

Read Min Input

Description of this command:

This command allows you to read the Min Input value.

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Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

3

Values that are returned:

Value in PointValue (0) = Value read

Read Setpoint 1

Description of this command:

This command allows you to read the Setpoint 1 value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

4

Values that are returned:

Value in PointValue (0) = Value read

Read Setpoint 2

Description of this command:

This command allows you to read the Setpoint 2 value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

5

Values that are returned:

Value in PointValue (0) = Value read

Read Setpoint 3

Description of this command:

This command allows you to read the Setpoint 3 value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

6

Values that are returned:

Value in PointValue (0) = Value read

Read Setpoint 4

Description of this command:

This command allows you to read the Setpoint 4 value.

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:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

7

Values that are returned:

Value in PointValue (0) = Value read

Read Analog Output Register

Description of this command:

This command allows you to read the Analog Output Register value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

8

Values that are returned:

Value in PointValue (0) = Value read

Read Control Status Register

Description of this command:

This command allows you to read the Control Status Register value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

9

Values that are returned:

Value in PointValue (0) = Value read

Read Gross Weight

Description of this command:

This command allows you to read the Gross Weight value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

10

Values that are returned:

Value in PointValue (0) = Value read

Read Tare Weight

Description of this command:

This command allows you to read the Tare Weight value.

Methods used to run this command:

Analog Input

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

11

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Values that are returned:

Value in PointValue (0) = Value read

Read Front Key State

Description of this command:

This command allows you to read the Front Key State.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-5

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

12

Values that are returned:

Value in PointValue (0) = F1 Key

Value in PointValue (1) = F2 Key

Value in PointValue (2) = RST Key

Value in PointValue (3) = Second F1 Key

Value in PointValue (4) = Second F2 Key

Read User Inputs State

Description of this command:

This command allows you to read the User Inputs State.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-6

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

13

Values that are returned:

Value in PointValue (0) = User 1 Edge

Value in PointValue (1) = User 2 Edge

Value in PointValue (2) = User 3 Edge

Value in PointValue (3) = User 1 Level

Value in PointValue (4) = User 2 Level

Value in PointValue (5) = User 3 Level

Read Auto/Manual Modes

Description of this command:

This command allows you to read the Setpoint Auto/Manual Modes.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-5

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

14

Values that are returned:

Value in PointValue (0) = SP1 Mode

Value in PointValue (1) = SP2 Mode

Value in PointValue (2) = SP3 Mode

Value in PointValue (3) = SP4 Mode

Value in PointValue (4) = Analog Output Mode

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Read Setpoint Outputs State

Description of this command:

This command allows you to read the Setpoint Outputs State.

Methods used to run this command:

Digital Input

Number of points accepted by this command:

1-4

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

15

Values that are returned:

Value in PointValue (0) = SP1 State

Value in PointValue (1) = SP2 State

Value in PointValue (2) = SP3 State

Value in PointValue (3) = SP4 State

Reset Total

Description of this command:

This command allows you to reset the Total value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

1

Values that are sent:

Value in PointValue (0) = Ignored

Reset Max Input

Description of this command:

This command allows you to reset the Max Input value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

2

Values that are sent:

Value in PointValue (0) = Ignored

Reset Min Input

Description of this command:

This command allows you to reset the Min Input value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

3

Values that are sent:

Value in PointValue (0) = Ignored

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Set Setpoint 1

Description of this command:

This command allows you to set the Setpoint 1 value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

4

Values that are sent:

Value in PointValue (0) = New Setpoint 1 Value

Set Setpoint 2

Description of this command:

This command allows you to set the Setpoint 2 value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

5

Values that are sent:

Value in PointValue (0) = New Setpoint 2 Value

Set Setpoint 3

Description of this command:

This command allows you to set the Setpoint 3 value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

6

Values that are sent:

Value in PointValue (0) = New Setpoint 3 Value

Set Setpoint 4

Description of this command:

This command allows you to set the Setpoint 4 value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

7

Values that are sent:

Value in PointValue (0) = New Setpoint 4 Value

Set Analog Output Register

Description of this command:

This command allows you to set the Analog Output Register value.

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Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

8

Values that are sent:

Value in PointValue (0) = New Analog Output Register Value

Set Control Status Register

Description of this command:

This command allows you to set the Control Status Register value.

Methods used to run this command:

Analog Output

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (00-99). If 0 indicates point-to-point connection.

Meaning of the DriverP1 parameter:

9

Values that are sent:

Value in PointValue (0) = New Control Status Register Value

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
[1410] PROTOCOL (Format): Invalid device id in response
[3018] CONFIG (P0): Invalid device address (0-99)
[3508] CONFIG (P1): Invalid command

Supported devices

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

SARTORIUS GLOBAL WEIGHING MP 30 Digital Indicator

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