

Industrial communication solutions for Windows

XUMC600 Driver Manual

Umc600 Weight Indicator Protocol Driver

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XUMC600 technical specifications

General information

XUMC600 Allows you to connect to the CONDEC UMC600 digital weight indicator.

Command list

Read Weight Data

Description of this command:

This command Allows you to read weight data.

Methods used to run this command:

Analog Input (ReadNumericValues)

Number of points accepted by this command:

1-4

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

0

Values that are returned:

Value in PointValue (0) = Actual weight.

Value in PointValue (1) = Units indicator.

- 0 = Kilogram.

- 1 = Pound.

Value in PointValue (2) = Weight type.

- 0 = Net.

- 1 = Gross.

Value in PointValue (3) = State.

- 0 = Digital calibration.

- 1 = Analog calibration mode.

- 2 = Over/under range.

- 3 = Scale in motion.

- 4 = Tare recall data on display.

- 5 = Setpoint #1 on display.

- 6 = Setpoint #2 on display.

- 7 = Normal display.

Read Setpoint

Description of this command:

Allows you to read the setpoint parameters.

Methods used to run this command:

Analog Input (ReadNumericValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

1

Meaning of the DriverP2 parameter:

Defines the setpoint parameter to be read (1-6).

Read Multiple Setpoints

Description of this command:

Allows you to read multiple setpoint parameters. SP1 must never be set to OFF.

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Methods used to run this command:

Analog Input (ReadNumericValues)

Number of points accepted by this command:

1-6

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

2

Values that are returned:

Value in PointValue (0) = SP1

Value in PointValue (1) = Pr1

Value in PointValue (2) = dr1

Value in PointValue (3) = SP2

Value in PointValue (4) = Pr2

Value in PointValue (5) = dr2

Read Fixed Tare

Description of this command:

Allows you to read the fixed tare parameter.

Methods used to run this command:

Analog Input (ReadNumericValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

3

Listen to Weight Data

Description of this command:

This command allows you to listen to weight data when it is transmitted spontaneously by the scale. This command assumes that the scale is configured as a master in the communication link and that it periodically transmits the weight data to the PC.

Methods used to run this command:

Analog Input (ReadNumericValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Not used.

Meaning of the DriverP1 parameter:

4

Values that are returned:

Value in PointValue (0) = Actual weight.

Set Zero

Description of this command:

This command sets the scale display to zero.

Methods used to run this command:

Digital Output (WriteBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

5

Set Tare

Description of this command:

This command displays the tare value on the scale and turns it to the NET mode.

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Methods used to run this command:

Digital Output (WriteBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

6

Set Display in Gross Mode

Description of this command:

Sets the display in GROSS mode.

Methods used to run this command:

Digital Output (WriteBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

7

Set Display in Net Mode

Description of this command:

Sets the display in NET mode.

Methods used to run this command:

Digital Output (WriteBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

8

Start Batching

Description of this command:

This command start the batch process.

Methods used to run this command:

Digital Output (WriteBooleanValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

9

Write Setpoint

Description of this command:

Writes the setpoint.

Methods used to run this command:

Analog Output (WriteNumericValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

10

Meaning of the DriverP2 parameter:

Defines the setpoint parameter to be write (1-6).

Meaning of the DriverP3 parameter:

Number of decimal digits (0-2).

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Write Fixed Tare

Description of this command:

Writes the fixed tare parameter.

Methods used to run this command:

Analog Output (WriteNumericValues)

Number of points accepted by this command:

1

Meaning of the DriverP0 parameter:

Indicates the station address (1-98).

Meaning of the DriverP1 parameter:

11

Meaning of the DriverP3 parameter:

Number of decimal digits (0-2).

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
[1201] DRIVER (System): Error closing %s
[1202] DRIVER (System): Error creating %s
[1208] DRIVER (System): Error seeking end of %s
[1210] DRIVER (System): Error writing to %s
[1300] PROTOCOL (Timeout): No answer
[2175] CONFIG (NumValues): Too many values (max=1)
[2216] CONFIG (NumValues): Too many values (max=4)
[2226] CONFIG (NumValues): Too many values (max=6)
[3028] CONFIG (P0): Invalid device address (1-98)
[3508] CONFIG (P1): Invalid command
[4080] CONFIG (P2): Invalid parameter (1-6)
[4547] CONFIG (P3): Invalid number of decimal digits (0-5)
[8312] CONFIG (Remote): Returned invalid code

Supported devices

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

CONDEC UMC600 Digital Weight Indicator

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