

Digalox® DPM36 Config

Instruction manual (Rev-2026-05)

Description

Digalox DPM36 Config is a Windows Command Prompt application, it has no graphical user interface. It is used to configure and read out values from a Digalox DPM36 device. Value outputs start with the word "value:" and contain the message counter, measurement mode, measurement value, minimum and maximum value. All parts of value outputs are separated by ";". The number formatting is generally English, except for the value outputs where it corresponds to the operating system defaults. In order to write the output into a file instead of writing it to the Command Prompt window the Windows command redirection operator ">" can be used.

Installation

The application is provided as a zip file. It should be unpacked at any location.

Usage

Open the Windows Command Prompt by clicking the Start button, typing "cmd" and pressing Enter. Navigate to the location where you unpacked the application.

Start the application:

Digalox-DPM36-Config.exe [OPTIONS]



```
cmd Eingabeaufforderung
Z:\>Digalox-DPM36-Config.exe -port COM87 -general_configuration 1 2 0.00 7
Info:   Digalox DPM36 Config
Info:   Version 1.1.1.0
Info:   TDE Instruments GmbH

Info:   Opened COM87
Info:   identify TDE DPM36 ready 0 1.4

Info:   Get state
Info:   mode_configuration 0 2 0 10 10 0.00 10.00 0 0 0
Info:   general_configuration 0 0 0.00 7

Info:   Apply commands
Info:   general_configuration 1 2 0.00 7

Z:\>
```

OPTIONS:

- file** FILENAME Load all parameters from the text file with name FILENAME
- port** PORT PORT ("COMx") to which the DPM36 is connected (if PORT is omitted all available ports are shown)
- silent** Suppress status information (output may contain measurement values and warnings only)

-debug	Additionally output all queries and responses sent to and from the device (has no effect if combined with option -silent or -csv)
-log	Continually output measurement values (LIVE_DATA has to be enabled on the device via general_configuration)
-csv	Suppress status information and continually output measurement values with timestamps in CSV format (LIVE_DATA has to be enabled on the device via general_configuration)
-value	Get measurement value
-mode_configuration	Change configuration of the measurement mode
MODE_NUMBER	Measurement mode to be configured (0: first mode, 1: second mode, 2: third mode, 3: fourth mode)
TYPE	Measurement type (0: Volt AC, 1: Ampere AC, 2: Volt DC, 3: Ampere DC, 4: Volt Hz, 5: Watt AC, 6: Watt DC)
BASE	Base value for scaling
TOP	Top value for scaling
BAR	Maximum value for bar graph
LOWER	Display value when BASE is measured
UPPER	Display value when TOP is measured
SYMBOL	Visibility of symbols (0: default symbols according to measurement type, 1: custom configuration). In case of custom configuration, the symbols can be switched on by adding their values to the value 1. Encoding of symbols: V(2), A(4), Hz(8), W(16), m(32), AC(64), DC(128), 1(256), 2(512), min(1024), max(2048). Example: Display m and A: 1+32+4 = 37
SMOOTH	Not implemented
SCALING_OPT	Scaling options (0: default, 1: limit scaling [The display value is limited to LOWER and UPPER. Furthermore, a "cAbL" warning is displayed for cable break detection when the signal drops below half of BASE])
-general_configuration	Change general configuration
LIVE_DATA	Live data transmission via interface (0: off, 1: on)
DATA_RATE	Live data rate (1: 5/sec, 2: 1/sec, 3: 1/10sec, 4: 1/min, 5: 1/10min, 6: 1/30min, 7: 1/hour)
THRESHOLD	Supply voltage warning threshold. A "Lo SPLY" warning is shown when the supply voltage drops below THRESHOLD
CONTRAST	Screen contrast (0–15; 0: optimal for viewing from an angle above; 15: optimal for viewing from an angle below)

Examples

1. Get available ports

```
Digalox-DPM36-Config.exe -port
```

2. Get state of device at port COM77

```
Digalox-DPM36-Config.exe -port COM77
```

3. Change general configuration

- "1": Live data transmission on
- "2": Data rate 1/sec
- "0": Supply voltage warning threshold 0 volts
- "7": Screen contrast level 7

```
Digalox-DPM36-Config.exe -port COM77 -general_configuration 1 2 0 7
```

4. Log measurement values

```
Digalox-DPM36-Config.exe -port COM77 -log
```

5. Save measurement values in a CSV file

```
Digalox-DPM36-Config.exe -port COM77 -csv > output.csv
```

Contact information

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