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Digalox DPM72-MP
Graphical DIN-panelmeter for voltage, ampere and power with multiple display, RGB backlight and USB interface
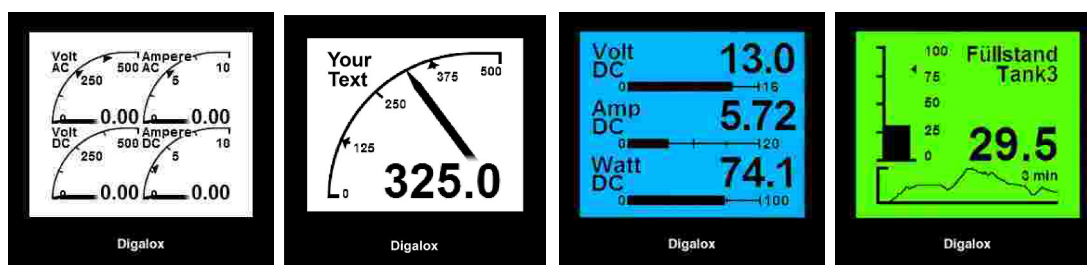
Description

Graphical measuring instrument which unites the benefits of an analogue display with the accuracy of a digital instrument. The multi display with RGB backlight is able to display up to 4 parameters simultaneously. Thresholds can be associated with individual warning backlight colours. A variety of measure modes (volt AC/DC, ampere, frequency, power, cos phi) are supported. Scale endpoint of the indicator as well as scaling of the analogue signal and current transformer measurement can be adjusted freely via the DIP switch, alternatively there is an option for automatic adaption of the scale endpoint. The unit can be switched between measurement modes via an external switch. Minimum and maximum values for each parameter are recorded and can be displayed

optionally using an external switch. Measured values of one parameter are recorded over a timespan of three minutes up to 14 days. The timebase as well as the display of the measuring history can be activated by an external switch. The following parameters can be adjusted using the USB-Software: Scale endpoint, scale caption, display style (pointer, tachometer, bargraph, and more), splash display, backlight colour, thresholds for alarm output, threshold warning colour (light, blink), hysteresis, and more. Recorded measurement values can be read and a continuous transmission of up to four measuring values can be enabled. Using the software, values can be viewed and exported as CSV.

Features

- Graphic display 16 grey levels with RGB backlight
- Pointer and digital display
- Multi display of up to 4 parameters
- USB interface, galvanically isolated
- Adjustable scale endpoint
- Recording of measurement over up to 14 days
- Alarm outputs with adjustable thresholds, galvanically isolated
- Individual alarm backlight colour
- User splash display
- Different display styles, e.g. tachometer, bargraph, timebased view
- Transmission of measure value
- Integration of measure value
- Accuracy 1 % true RMS
- Windows software for individual configuration and measure value recording
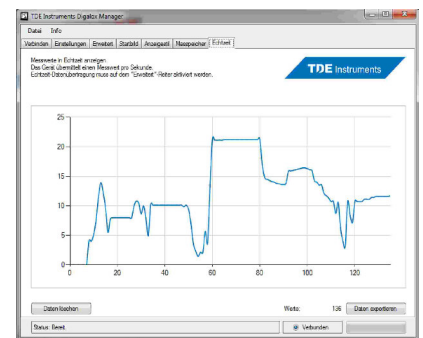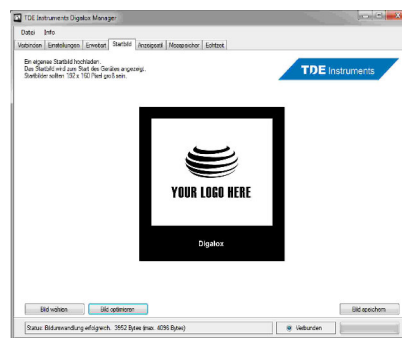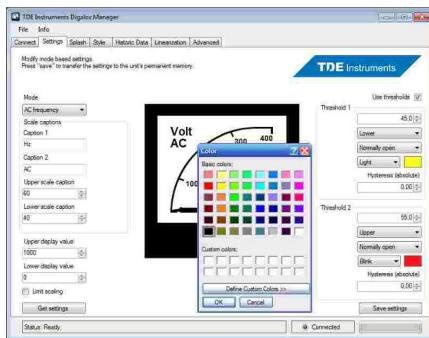
Samples of adjustable display styles

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Software

The corresponding free software enables the individual configuration of the instrument. Via software the measured values can be read from the memory, as well as continuous data transmission enabled. Using the software, values can be viewed, recorded and be exported as CSV.

Spezification

Supply:
10 - 24 V AC/DC, galvanically isolated
Display:
LCD graphic display 192 x 160 pixels
Measuring range voltage:
AC 0 - 500 V
DC +/- 500 V
Accuracy voltage:
1 %
Internal resistance voltage:
2.6 MOhm
Measuring range ampere:
AC 0 - 10 A
AC 5 A for current transformer
DC +/- 10 A
Accuracy ampere:
1 %
Internal resistance ampere:
5 mOhm

Measuring range frequency:
10 - 500 Hz
Accuracy frequency:
0.1 Hz
Recording of measurement:
3 mins. to 14 days
Alarm outputs:
2 optocouple outputs max. 30 V, 50 mA
Operating temperature:
0 °C to +50 °C
Storage temperature:
-20 °C to +70 °C
Front panel:
72 mm x 72 mm
Panel cut out:
68 mm x 68 mm
Fixation:
Bracket
Protection front:
IP65 with gasket (separate available)

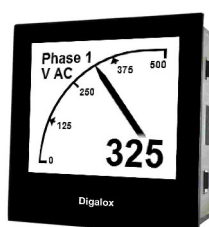## Other Instruments of Digalox DPM72 series

Digalox DPM72-AV

Graphical DIN-panelmeter for Voltage and Ampere.

Digalox DPM72-AVP

Graphical DIN-panelmeter for Voltage and Ampere with USB interface.

Digalox DPM72-PP

Graphical DIN-panelmeter for DC shunt measurement and analogue signal with USB interface.