

Digalox® DPM72 Single measuring instruments for Volt & Ampere

Single measuring instruments with LCD display for Volt, Ampere, and frequency, with or without USB interface as well as recording of measurement data of up to 14 days



Description

Unique, innovative, and multifunctional: the graphic panel meters Digalox® DPM72-AV2, -AVP2 and -PP2 with white LCD display are characterised by user-friendly operability as well as exact measuring values. Depending on type, a variety of measurement modes (volt AC/DC, ampere AC/DC, frequency, 5 A for power converter, analogue signal 0/4 to 20 mA, DC with shunt) are supported. Additionally, all DPM72 panel

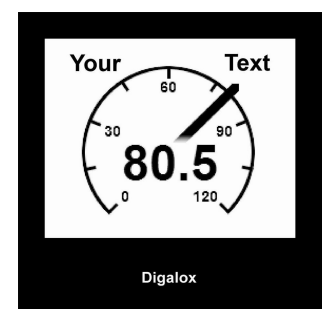
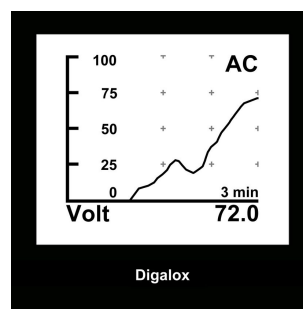
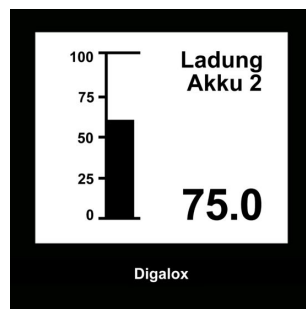
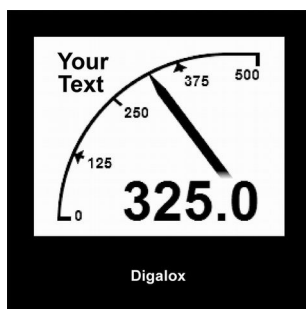
meters are equipped with extensive functions as well as a variety of display options. Therefore, the measuring instruments are popular devices in water management companies due to the practical level indicator, among other things, and they are also widely used in industrial plants, trade and repair businesses as well as manufacturing companies.

Graphical display

A high-quality graphic display with 16 grey levels and white backlight shows your measured values in different display modes, e.g. with easy-to-read pointer

graphics, via digital display or bar graph. Other possible display designs are the popular level indicator or a graphical trend of the measured values.

Examples of possible display configurations



Switching outputs

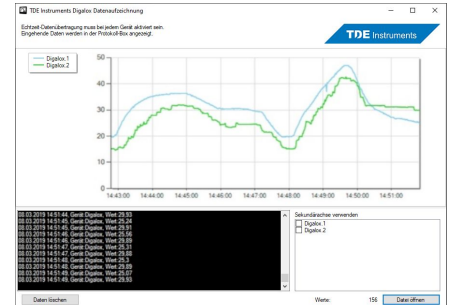
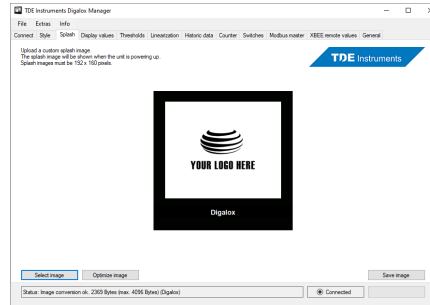
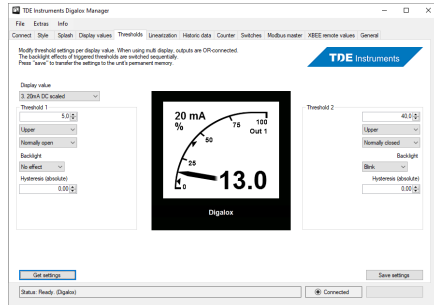
The models DPM72-AVP2 and -PP2 each possess two galvanically isolated alarm outputs which enable the device to trigger an alarm as individually

adjustable threshold values are reached. The user can be made aware of special events such as exceeding a maximum value by flashing or lighting up.

Extensive adaptability via software

Using the "Digalox® Manager" configuration software, the measuring devices can be set up individually - for example, it is possible to upload own texts or a

customer-specific splash screen. Scale deflexion and labelling, display designs, as well as measured value scaling and linearization can be adjusted as required.



Measurement data recording

All DPM72 instruments record measured values over a period of 36 seconds up to 14 days. The models DPM72-AVP2 and -PP2 carry out a realtime transfer

of measured data via a galvanically isolated USB interface. The DPM72-AV2 also has an optional USB interface.

Specification

	DPM72-AV2	DPM72-AVP2	DPM72-PP2
Supply	12 - 24 V AC/DC $\pm 10\%$	12 - 24 V AC/DC $\pm 10\%$	12 - 24 V AC/DC $\pm 10\%$
Power consumption	Max. 1.2 W	Max. 1.2 W	Max. 1.2 W
Display	Display LCD graphic display 192 x 160 pixels	Display LCD graphic display 192 x 160 pixels	Display LCD graphic display 192 x 160 pixels
Measuring range voltage	± 300 V AC/DC, 10 - 500 Hz	± 500 V AC/DC, 10 - 500 Hz	$\pm 50/60$ mV AC/DC shunt
Accuracy voltage	$\pm 1\%$ true RMS	$\pm 1\%$ true RMS	$\pm 0.5\%$ true RMS
Internal resistance voltage	1.3 M Ω	2.6 M Ω	20 k Ω
Measuring range ampere	AC 0 - 10 A AC 5 A for current transformer DC ± 10 A	AC 0 - 10 A AC 5 A for current transformer DC ± 10 A	20 mA AC/DC (max. 100 mA)
Accuracy ampere	$\pm 1\%$ true RMS	$\pm 1\%$ true RMS	$\pm 0.5\%$ true RMS
Internal resistance ampere	5 m Ω	5 m Ω	6.2 Ω
Measuring range frequency	10 - 1000 Hz	10 - 1000 Hz	---
Accuracy frequency	± 0.1 Hz	± 0.1 Hz	---
Recording of measurement	36 seconds to 14 days	36 seconds to 14 days	36 seconds to 14 days
Alarm outputs	---	2 optocouple outputs max. 30 V, 50 mA	2 optocouple outputs max. 30 V, 50 mA
Interface	Optional USB	USB	USB

Accessories

An optional USB interface is available for the DPM72-AV2 as a plug-in card.

To ensure protection status IP65, a gasket has to be used which can be purchased in the TDE shop.