

- Display range: ± 1999
- Simple configuration
- Rugged metal housing
- Supply Voltage: 230 V, 50 / 60 Hz,
Can be converted to 115 V, 50/60 Hz
- Also with 24 V DC supply voltage



Characteristic Values

Display

Type	7 segment LED
Color	red / option: green
Character Height	14 mm
Display Range	max. ± 1999
Polarity	"-" is displayed automatically
Decimal Point	adjustable at front panel
Overflow Display	"1 ...", if display > 1999

Input

One Measuring Range	possible meas. ranges
Depending upon Model	see Order Information

Balancing

Instruments are balanced at the factory.

Error Limits

Intrinsic Error	$\pm (0.25 \% \text{ of range} + 5 \text{ digits})$
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Housing

Material	Metal half-shells
Front Dimensions	96 x 48 mm
Bezel Color	black matt,
Bezel Thickness	5 mm
Bezel Width	5 mm
Installation Depth	max. 125 mm
Weight	approx. 0.4 kg
Mounting	screw clamp
Connectors	screw terminal blocks

Compliance with Regulations

Protection	IP 40, front panel
Protection Class	I
Tested	per EN 61010-1 / VDE 0411-1

Additional Error

Temperature Coefficient	< 190 ppm / K
Zero Point Drift	max. 0.2 digits / K
Series-Mode Rejection Ratio (SMRR)	> 50 dB at 50 Hz

Control Commands

Display Value Storage	externally controlled
Segment Test	externally controlled

Supply Voltages

Convertible to	230 V, 50 / 60 Hz + 10 % - 15%
	115 V, 50 / 60 Hz + 10 % - 15%
Option:	18 ... 36 V DC / 24 V AC $\pm 10\%$
Power Consumption	approx. 3.5 W

A-D Conversion

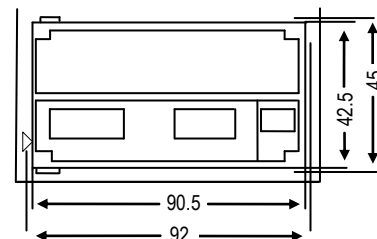
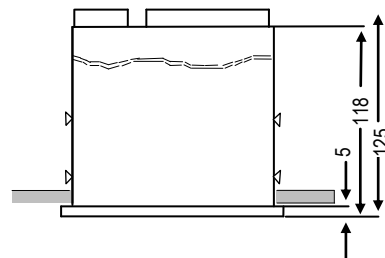
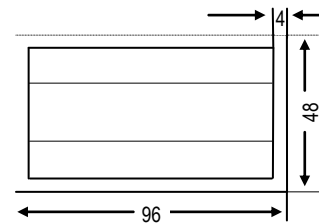
Conversion Method	dual slope
Integration Time	approx. 100 ms
Measurements per Second	typically 3, response time for the entire instrument is dependent upon the measured quantity

Ambient Conditions

Operating Temperature Range	0 ... + 50°C
Storage Temperature Range	- 20 ... + 70°C
Relative Humidity	max. 85%

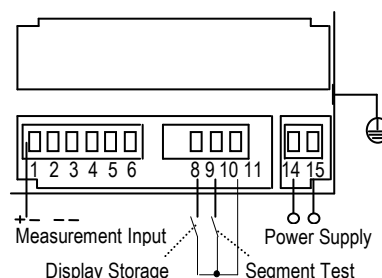
Dimensional Drawing

Connectors: Tab Connectors, A 2.8-0.8
Panel Cutout $45^{+0.6} \times 92^{+0.8}$ mm



Dimensions in millimeter

Terminal Assignments



Terminals 8,9 and 10 are electrically connected to the measurement input

Measurement input voltage from external switching elements must be isolated from earth.

