

Features



- Voltage DC/AC 0 to 350 V_{DC} / 250 V_{AC}
resp. current 0 to 2 A
- 3½-digit 7 segment LED red
- Display range from -1999 to + 1999 free scaling

Display

Display	7-Segment display, 13 mm LED red
Display range	± 1999 digit
Decimal point	Via jumper at the front
Error indication	Display "1" at overrange or sensor break Display "-1" at underrange

Measurement functions

Meas. Range attitude	Via scaling resistor Rs at terminal
Method of measurement	Dual slope
Sampling rate	Approx. 2,5 / sec.
Response time	< 2 sec. at 100% step
Input signals	Voltage, current
Measuring range	0 ... 10 V, 0 (4) ... 20 mA 0 ... ± 2 / ± 20 / ± 200 V/mA, max. ± 350 V _{DC} / 250 V _{AC} , max. ± 2 A Accuracy: ≤ ± 1 Digit ± 0,15 % of display range (for 0 – 10V and 0(4) – 20 mA) Accuracy: ≤ ± 1 Digit ± 1,5 % of display range (for all another values) Temp. effect: ± 50 ppm / K (related to 25 °C) Gain adjustment: max. ± 20 % Offse adjustment: max. ± 500 Digit

Voltage supply

Supply voltage	230 V _{AC} , + 10 / - 15 %, 48 ... 62 Hz, max. 2 VA 5 / 12 / 24 V _{DC} , galvanic isolated
Protection	Protection against pole reversal (only DC-versions) and temp. protection
Power consumption	max. 60 mA

Dimensions

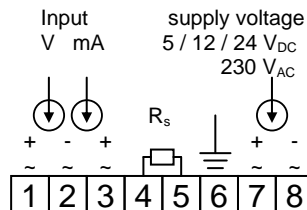
Size	approx. 96 x 24 x 73 [mm] (W x H x L) incl. terminal
Panel cut out	92 x 22,2 [mm]
Mounting depth	ca. 66 mm
Material	Glass-fibre reinforced Noryl, hardly inflammable
Weight	ca. 120 g
Panel thickness	max. 5 mm
Attachment	via 2 attachment elements

Environment

Ambient temperature	0 ... 50 °C, no dew allowed
Protection	Front panel IP 50, terminal block IP 20 (DIN 40050, IEC 144)
Protective class	II (prot. isolation)

Connection

Interconnection techn. Connecting diagram	Terminal screw with wire protection for max. 1,5 mm ²
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Date: May 2005
Changes may occur without notice!