

Universal-Digital Panelmeter MINIPAN 300

in Housing for Panel-Mount 36 x 72 mm

MINIPAN 300



Part numbers:

D440300	MINIPAN 300 DC
D440320	MINIPAN 300 AC
D440340	MINIPAN 300 Pt100

With its 4 digit, 14 mm high display, Digital Panelmeters of MINIPAN 300- series allow the accurate display of different values in the range -1999 ... +9999. Only 3 designs cover the measuring of DC voltage and current, AC voltage and current and temperature with Pt 100-sensors (RTD). The display can be easily programmed by the customer (e.g. input 0-10 V --> display 0-350.0 ms or AC 0-1 A ---> 0-400.0 A). With the built-in universal power-supply AC/DC 24-240 V it is especially versatile.

Inputs DC-Meter:

- Measuring of current with
- external shunt max. 300 mV
 - 1 A for direct measuring of current
 - 0/4-20 mA for standard-signals
 - 0-10 V for standard-signals
 - 100/500 V switchable

Inputs AC-Meter:

- 500 V
- 50 V
- 10 V
- Measuring of current with external shunt max. 150 mV
- 1 A for direct measuring of current or with external transformers

Measuring of Temperature Pt100 (RTD):

- Pt100 in 2- or 3-wire connection
- Measuring Range -199,9 ... +850,0 °C
- Resolution 0,1 °C
- Display in °C or °F

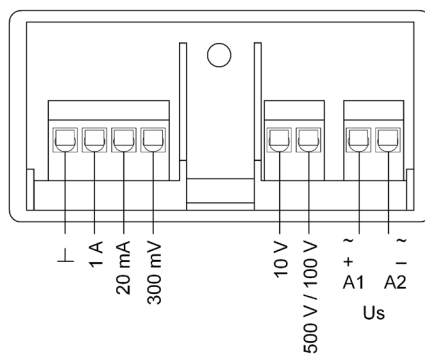
Easy programming with 3 buttons

- Display (skaling, decimal-point)
- Display of MIN- and MAX-values
- Delay at unstable signals
- Code-lock against manipulation of settings

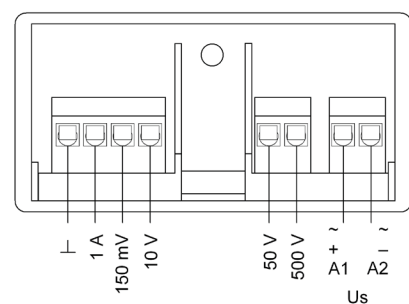
Additional Features:

- Sticker with different measuring units included
- Terminals pluggable
- Face-Plate 36 x 72 mm

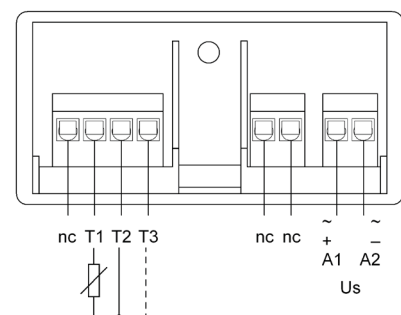
DC



AC



Pt 100



Technical Data MINIPAN 300

Power supply	rated supply-voltage Us	AC/DC 24-240 V
	tolerance DC	DC 20 - 297 V (0,85 x 24 V...1,35 x 220 V)
	tolerance AC	AC 20 - 264 V (0,85 x 24 V...1,1 x 240 V)
	power consumption	< 3 VA
	frequency	48...62 Hz
Measuring inputs	(always connect 1 input only)	potentially separated from supply-voltage
	DC-Meter	± 300 mV / 120 kΩ / max. ±2,5 V
	measuring-range / resistance of input / overload capacity	± 10.00 V / 1 MΩ / max. ±50 V + 500.0 V / -199.9 V / 3 MΩ / max. ±600 V + 100.0 V / -100.0 V / 3 MΩ / max. ±600 V + 20.00 mA / -19.99 mA/ Shunt 15 Ω/ max. ±100 mA ± 1.00 A / Shunt 150 mΩ / max. ±2 A
	AC-Meter	150 mV / 900 Ω / max. 2,5 V
	measuring-range / resistance of input / overload capacity	10.00 V / 100 kΩ / max. 50 V 50.0 V / 1 MΩ / max. 60 V 500.0 V / 3 MΩ / max. 600 V 1.00 A / Shunt 150 mΩ / max. 2 A
	Temperature Pt 100 (RTD) sensor-input	- 199,9 ... + 850,0 °C (= -328 ... +1563 °F) Pt 100, 2- or 3-wire connection max. 3 x 50 Ω
	resistance 3-wire	<400 ms
	measuring time AC/DC	<400 ms
	measuring time Pt 100	
	Accuracy	resolution
error (of full measuring range)		
DC-voltage, DC-current		± 0,1 % ± 1 Digit
AC-voltage, AC current		± 0,5 % ± 1 Digit
temperature factor		± 0,02 % / K
total error at temperature-measuring		± 0,3 % of value ± 0,5 K
temperature factor		± 0,03 °C / K
Housing	Design 300	panel-mount housing
	dimensions (h x w x d) mm	36 x 72 x 79 mm
	Attachment	panel-mount, panel cutout 33 ^{+0,6} x 68 ^{+0,6} mm max. thickness of panel 8 mm
	Single wire	1 x 0,5...1,5 mm ²
	Fine wired with end sleeves	1 x 0,14...1 mm ²
	Rated ambient temperature range	-20...+60 °C
	protection housing/terminals	IP 30/IP 20
	weight	ca. 120 g