Universal-Display MINIPAN 350V
in Housing for DIN-Rail-Mount

MINIPAN 350V



Part numbers:

D890110	MINIPAN 350 DC
D890210	MINIPAN 350 AC
D890310	MINIPAN 350 Pt100

With its 4 digit, 7 mm high display, Digital measuring-instruments of MINIPAN 350V- 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 especiall versatile.

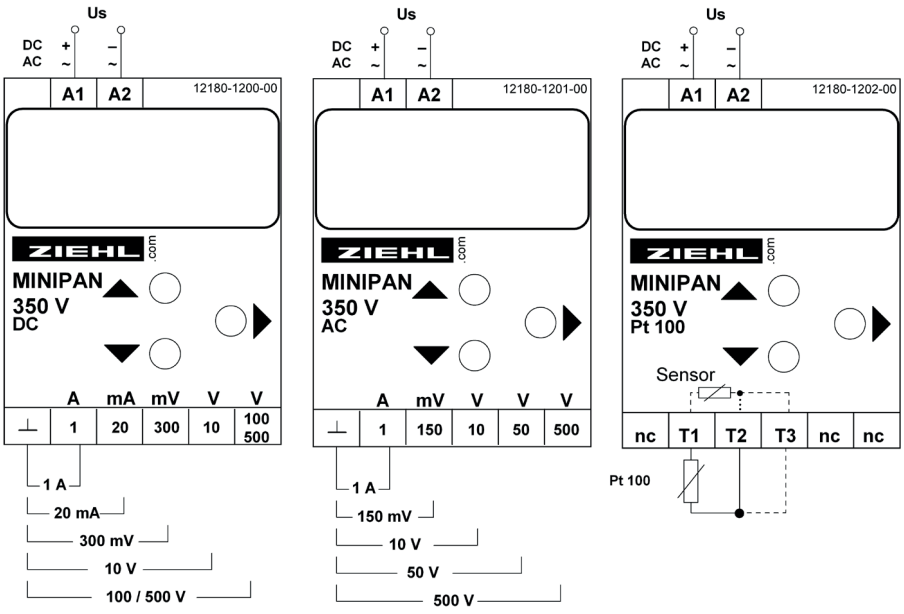
Inputs DC-Meter:
- Measuring of current with external shunt max. 300 mV
- 1 A for direct measuring of current
- 0/4-20 mA for standard-signals
- 0-10 V for standard-signals
- 100/500 V switchable

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 Pt 100 (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
- Mounting-height 55 mm, 70 mm wide



Technical Data MINPAN 350V

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 measuring-range / resistance of input / overload capacity	**± 300 mV** / 120 kΩ / max. ±2,5 V **± 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 measuring-range / resistance of input / overload capacity	**150 mV** / 900 Ω / max. 2,5 V **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 resistance 3-wire	**- 199,9 ... + 850,0 °C** (= -328 ... +1563 °F) Pt 100, 2- or 3-wire connection max. 3 x 50 Ω
	measuring time AC/DC measuring time Pt 100	<400 ms <400 ms
Accuracy	resolution	+9999 / -1999
	error (of full measuring range) DC-voltage, DC-current AC-voltage, AC current temperature factor total error at temperature-measuring temperature factor	 ± 0,1 % ± 1 Digit ± 0,5 % ± 1 Digit ± 0,02 % / Kelvin ± 0,3 % of value ± 0,5 K ± 0,03 °C / K
Housing	housing dimensions (h x w x d) mm terminals Attachment	design V2 90 x 35 x 58 mm, mounting height 55 mm 8-pole on 35 mm DIN-rail or with screws M4
	ambient temperature range protection housing/ protection terminals weight	-20...+60 °C IP 30 IP 20 app. 100 g