MINIPAQ-L

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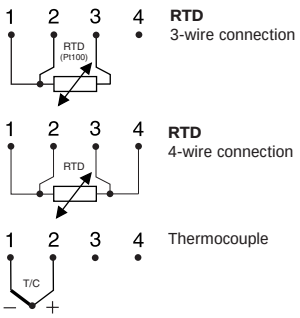
Basic Programmable 2-wire Transmitter

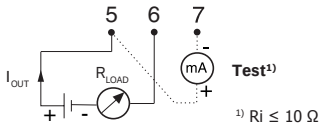
MINIPAQ-L is a basic, non-isolated, easy-to-use 2-wire transmitter. Configuration is made in seconds with the user friendly Windows software, MINIPAQ Soft. No external power supply required for configuration. MINIPAQ-L is programmable for RTD's in 3- and 4-wire connection according to different standards as well as for 11 T/C types. Useful error correction functions improve the accuracy.

- Accepts RTD in 3- and 4-wire connection and 11 T/C types
- Temperature linear output
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy
- Configuration without external power
- NAMUR compliant
- Test output without breaking the loop
- MINIPAQ Soft, easy-to-use Windows configuration software

Input connections

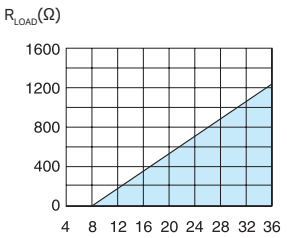


Output connections



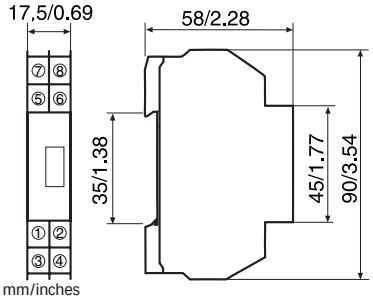
[1)] Ri ≤ 10 Ω

Output load diagram



Supply voltage U (V DC)
R_{LOAD}=(U-8)/0.022

Dimensions



Specifications:

Input RTD	3-, 4-wire connection
Pt100 (α=0.00385)	-200 to +1000 °C / -328 to +1832 °F
Pt1000 (α=0.00385)	-200 to +200 °C / -328 to +392 °F
PtX 10 ≤ X ≤ 1000 (α=0.00385)	Upper range depending on X-value
Pt100 (α=0.003902)	-200 to +1000 °C / -328 to +1832 °F
Pt100 (α=0.003916)	-200 to +1000 °C / -328 to +1832 °F
Ni100[1)]	-60 to +250 °C / -76 to +482 °F
Ni1000[1)]	-10 to +150 °C / +14 to +302 °F
Input Thermocouples	
Types	AE, B, E, J, K, L, N, R, S, T, U
Sensor failure	Upscale, downscale or off
Adjustments - Zero	Any value within range limits
Adjustments - Minimum spans	
Pt100, Pt1000, Ni100, Ni1000	10°C /18°F
T/C	2 mV
Output	4-20 mA, temperature linear
Operating temperature	-20 to +70°C / -4 to +158°F
Galvanic isolation	No
Power supply	8 to 36 VDC
Typical accuracy	±0.15 % of temperature span
Mounting	Rail acc. to DIN EN50022, 35 mm

[1)] IEC 60751

Ordering information

MINIPAQ-L	70MQL00002
PC Configuration Kit	70CFG00092
Configuration	70CAL00001