

Basic Programmable 2-wire transmitter

AVAILABLE FROM
NEPEAN ELECTRONICS



NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

MINIPAQ-L is a basic, programmable non-isolated, easy-to-use 2-wire transmitter. Configuration is made in seconds with the user friendly Windows software. 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.

Features

- Accepts RTD in 3- and 4-wire connection and 11 thermocouple types
- Temperature linear output
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy
- Configuration without external power
- Easy-to-use Windows configuration software
- NAMUR compliant
- Test output without breaking the loop
- USB communication
- Withstands vibrations up to 10 g
- Size: 68 x 45 x 63 x 35mm

Specifications

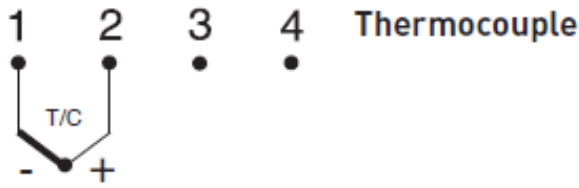
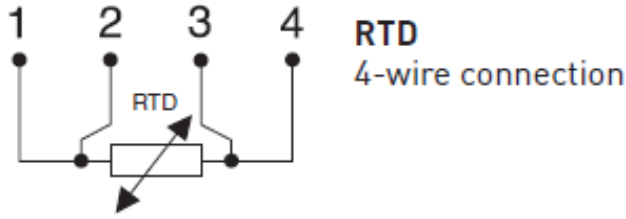
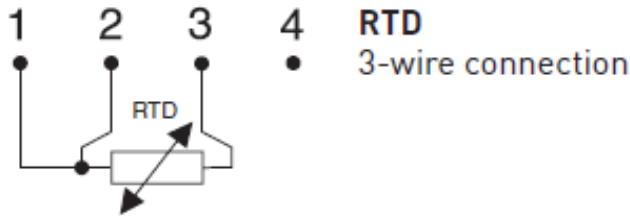
Input RTD	3-, 4-wire connection
Pt100 ($\alpha=0.00385$)	-200 to +1000 °C / -328 to +1832 °F
Pt1000 ($\alpha=0.00385$)	-200 to +200 °C / -328 to +392 °F
PtX $10 \leq X \leq 1000$ ($\alpha=0.00385$)	Upper range depending on X-value
Pt100 ($\alpha=0.003902$)	-200 to +1000 °C / -328 to +1832 °F
Pt100 ($\alpha=0.003916$)	-200 to +1000 °C / -328 to +1832 °F
Ni100₂	-60 to +250 °C / -76 to +482 °F
Ni1000₂	-10 to +150 °C / +14 to +302 °F
Ni120₃	-70 to +300 °C / -94 to +572 °F
Cu10₄	-200 to +260 °C / -328 to +500 °F
Input Thermocouples	
Types	B, C, 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 32 VDC
Typical accuracy	±0.15 % of temperature span
Mounting	Rail acc. to DIN EN 50022, 35 mm

Ordering Information

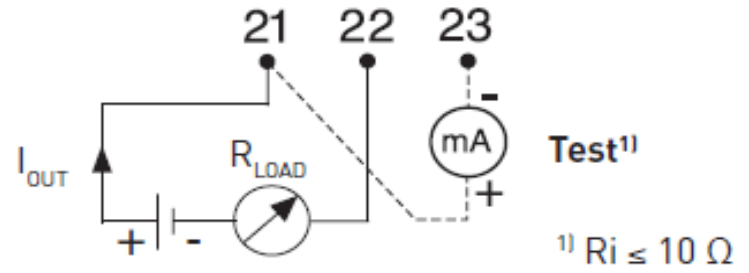
Part Number	Description
X0358	Mini IPAQ-L-Inor Temp Txd USB Prog. 0-150 Deg, 4-20mA, DIN MOUNT

Basic Programmable 2-wire Transmitter

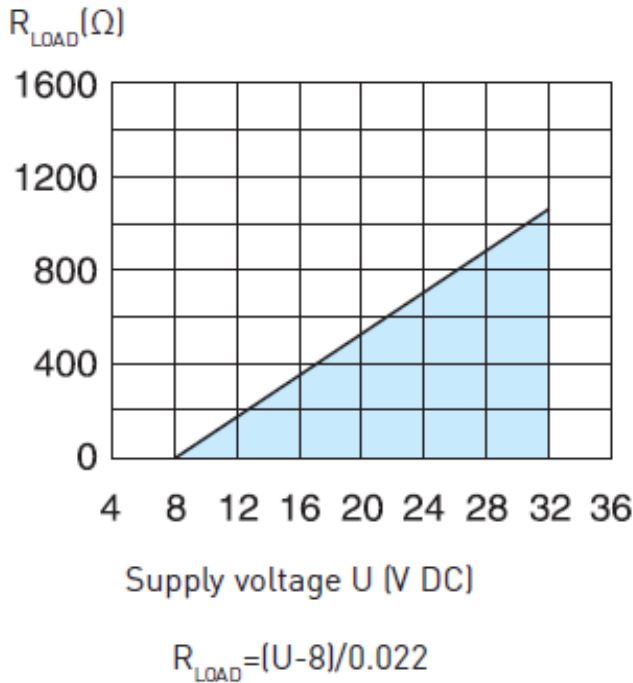
Input Connections



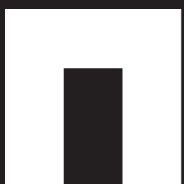
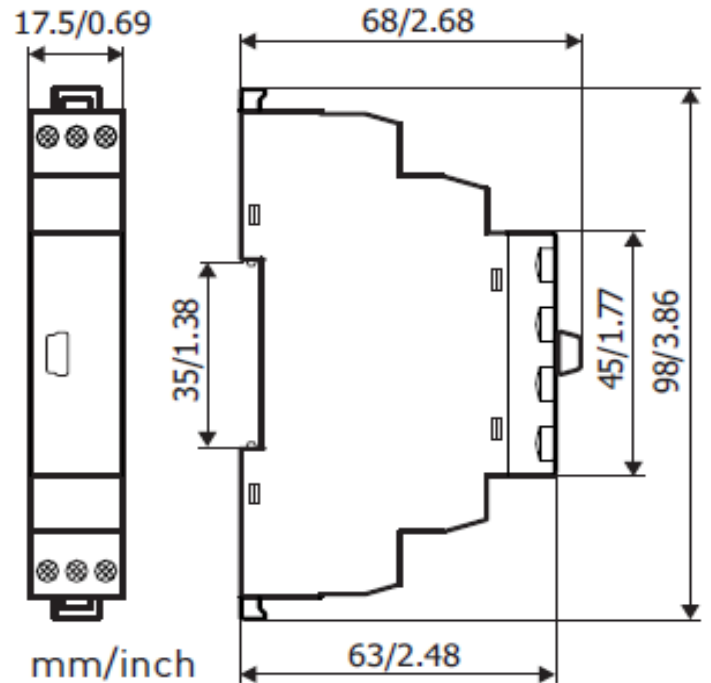
Output Connections



Output Load Diagram



Dimensions



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Power

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