MINIPAQ-HLP

Basic Programmable 2-wire Transmitter

5 YEAR WARRANTY

MINIPAQ-HLP is a basic, programmable non-isolated, easy-to-use 2-wire transmitter. The Low Profile housing has a hight of only 18.5 mm / 0.72 inch. Configuration is made in seconds with the user friendly Windows software, MINIPAQ Soft. No external power supply required for configuration.
The transmitter 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.

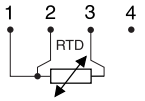
- Robust terminals with test connections
- Only 18.5 mm / 0.72 inch high
- Accepts RTD in 3- and 4-wire connection and 11 T/C types
- Temperature linear output
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy
- Configuration without external power
- Easy-to-use Windows configuration software
- NAMUR compliant
- Rugged design tested for 10 g vibrations
- USB communication

Specifications:

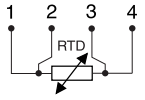
Input RTD	3-, 4-wire connection
Pt100 (α=0.00385)[1]	-200 to +1000 °C / -328 to +1832 °F
Pt1000 (α=0.00385)[1]	-200 to +200 °C / -328 to +392 °F
PtX 10 ≤ X ≤ 1000 (α=0.00385)[1]	Upper range depending on X-value
Pt100 (α =0.003902)	-200 to +1000 °C / -328 to +1832 °F
Pt100 (α =0.003916)	-200 to +1000 °C / -328 to +1832 °F
Ni100[2]	-60 to +250 °C / -76 to +482 °F
Ni1000[2]	-10 to +150 °C / +14 to +302 °F
Ni120[3]	-70 to +300 °C / -94 to +572 °F
Cu10[4]	-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	-40 to +85 °C / -40 to +185 °F
Galvanic isolation	No
Power supply	8 to 32 VDC
Typical accuracy	±0.15 % of temperature span
Connection head	DIN B or larger

[1] IEC 60751, [2] DIN 43760, [3] Edison No.7, [4] Edison No.15

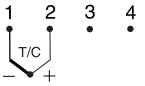
Input connections



RTD
3-wire connection

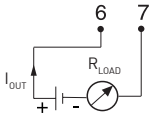


RTD
4-wire connection

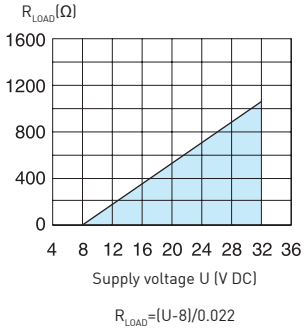


Thermocouple

Output connections

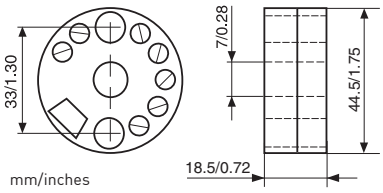


Output load diagram



$R_{LOAD}=(U-8)/0.022$

Dimensions



Ordering information

MINIPAQ-HLP	70MQHLP002
PC Configuration Kit (USB conn.)	70CFGUS001
Configuration	70CAL00001

Distributor - ThermX Southwest 7370 Opportunity Road, Suite S, San Diego, CA 92111-1414 (800) 284-3769 www.thermx.com