

## MINIPAQ-HLP

# Basic Programmable 2-wire Transmitter





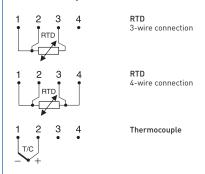
MINIPAQ-HLP is a basic, programmable non-isolated, easy-to-use 2-wire transmitter. The Low Profile housing has a hight of only 19.5 mm / 0.77 inch. Configuration is made in seconds with the user friendly Windows software, MINIPAQ Soft. No external power supply required for configuration. The transmitter 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 19.5 mm / 0.77 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) <sup>1)</sup>	-200 to +1000 °C / -328 to +1832 °F	
Pt1000 (α=0.00385) <sup>1)</sup>	-200 to +200 °C / -328 to +392 °F	
PtX $10 \le X \le 1000 (\alpha = 0.00385)^{1)}$	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 <sup>2)</sup>	-60 to +250 °C / -76 to +482 °F	
Ni1000 <sup>2)</sup>	-10 to +150 °C / +14 to +302 °F	
Ni120 <sup>3)</sup>	-70 to +300 °C / -94 to +572 °F	
Cu10 <sup>4]</sup>	-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	8.032.0 VDC	
Typical accuracy	±0.15 % of temperature span	
Connection head	DIN B or larger	

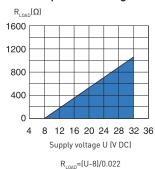
### Input connections



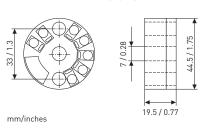
#### **Output connections**



#### Output load diagram



#### **Dimensions**



#### Ordering information

MINIPAQ-HLP	70MQHLP002
PC-USB Config. / USB Lite Kit	70CFGUS101

<sup>1]</sup> IEC 60751, <sup>2]</sup> DIN43760, <sup>3]</sup> Edison No.7, <sup>4]</sup> Edison No.15