

# PROGRAMMABLE TEMPERATURE TRANSMITTERS

## Features

- MINIPAQ-H is a basic, non-isolated, easy to use 2-wire transmitter for in-head mounting in DIN B and similar heads.
- Configuration is made in seconds with the user friendly Windows software, MINIPAQ Soft. No external power is needed.
- MINIPAQ-H 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.

## Measurement with RTD's in 3- and 4-wire connection

- MINIPAQ-H accepts inputs from a number of standardized RTD's such as Pt100, Pt500 and Pt1000 acc. to IEC 60751 ( $\beta=0.00385$ ), Pt100 acc. to JIS C 1604 ( $\beta=0.003916$ ) and US standards ( $\beta=0.003902$ ) as well as Ni100 and Ni1000 acc. to DIN 43760.
- 3- and 4-wire connection can be selected.

## Measurements with thermocouples

- MINIPAQ-H accepts inputs from 11 types of standardized thermocouples.
- For T/C input, the CJC (Cold Junction Compensation) is fully automatic, by means of an accurate measurement of the terminal temperature. Alternatively, the CJC can be disabled.

## Temperature linear output

- Fully temperature linear 4-20 mA output for RTD's and thermocouples.

## Sensor matching and error corrections for maximum accuracy

- A matching to a calibrated temperature sensor can easily be performed with the Sensor Error Correction function.
- The System Error Correction is a convenient way to adjust the sensor/transmitter combination (or just the transmitter) for highest accuracy in a certain measuring range.

## Namur compliant

- Output limitations and fail currents according to NAMUR recommendations.

## Designed for harsh conditions

- Rugged design tested for 5g vibrations.

## Mounting and wiring

- MINIPAQ-H is designed to fit inside connection heads type DIN B or larger.
- The large center hole, dia. 7mm / 0.28 inch, and the robust terminals greatly simplify the mounting and wiring procedure.

## Configuration without external power

- Edit or read the configuration off-line by just connection a PC.

## MINIPAQ-H Soft, easy-to-use Windows configuration software.

- The simple and user friendly software, MINIPAQ-H Soft, is used for transmitter configuration in seconds. In one window all parameters are set, such as sensor type, measuring range, filter activation, CJC, sensor failure action, error corrections etc.

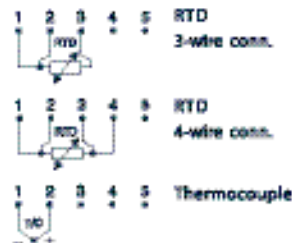
## To be used for Isolated Junctions.



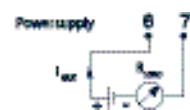
**MINIPAQ-H**

Manufactured for Thermo-Couple Products Company by INOR.

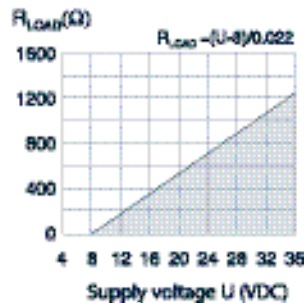
## Input connections



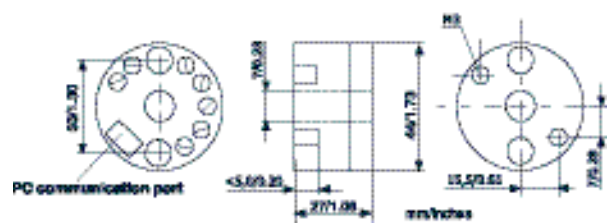
## Output connections



## Output load diagram



## Dimensions



## MINIPAQ-H Transmitter

Description	Part Number
MINIPAQ-H	242A