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RESISTANCE THERMOMETERS WITH STAINLESS HEAD

Design: PT50N (PTP50N), PT50HN (PTP50HN), PT50JN (PTP50JN) , PT55N(PTP55N)

- All stainless thermometer can then be used to measure temperature of liquids the harshest conditions, such as chemical and food industries.

Thermometers have the same parameters as the standard design with aluminum connection head type "B".

Stainless head has better protection - IP68, then aluminum one.

Cover the screw head is fitted with a rubber sealing ring."

Parameters of each converters PP200, PP300 and PPL100 intended for the thermometer you can see on our web site.

PT...H or **PTP...H** are made without a mounting screw. Here are selected only stem length X.

Type tests:

Standard type test: according to ČSN EN 60770-1 ed.2

EMC according to ČSN EN 61326-1

Safety assessed according to ČSN EN 61010-1

The order should include:

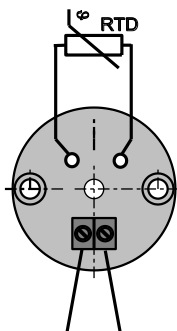
Version without a converter:

- Type of sensor, or any other spec. requirements (four-wire connections, dual sensor ...)
- Expected maximum temperature measured
- The total stem length (X) and dive (Y) with regard to the table below
- Mounting bolts – M20x1, 5, G1/2....etc.
- Number of pieces

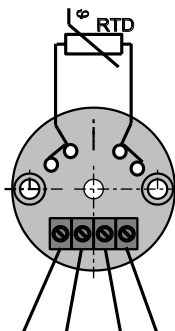
Table recommended distance head from the fitting:

up to 100°C..... at least
125°C..... 50mm
150°C..... 80mm
200°C.....100mm
300°C.....120mm
400°C.....160mm

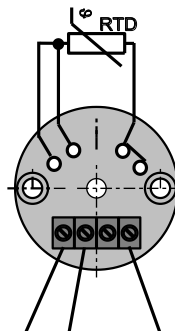
Connection terminals:



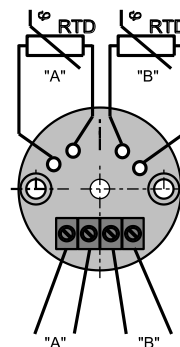
Two-wire connection



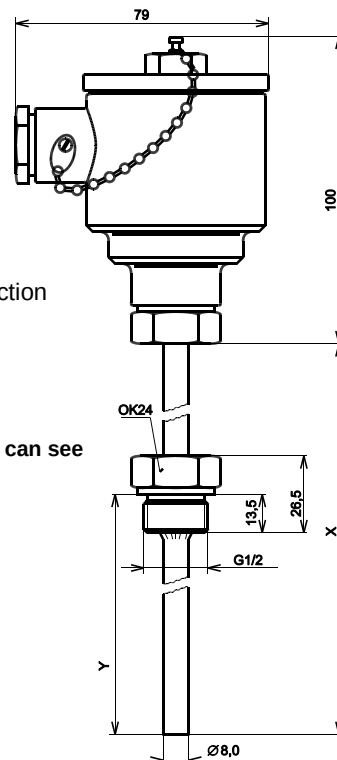
Four-wire connection:



Three-wire connection:



Two sensors, two-wire connection:



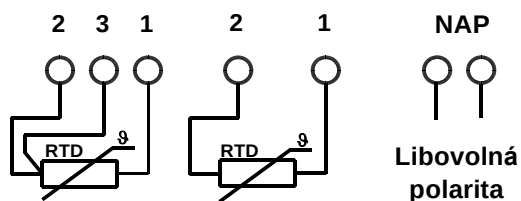
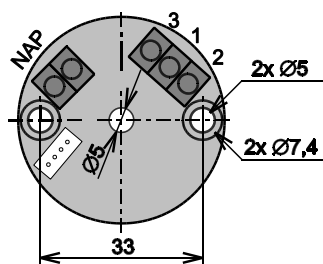
Version with a converter:

- Type of sensor, or any other spec. requirements
- Converter type
- Measuring range of the thermometer [° C]
- The total stem length (X) and draft (Y) with regard to the table below
- Mounting bolts - M12x1, 5, G1/2....etc.
- Number of pieces

Table recommended distance head from the fitting:

up to 80°C.....at least
100°C..... 50mm
125°C..... 80mm
150°C.....100mm
200°C.....120mm
300°C.....140mm
400°C.....180mm

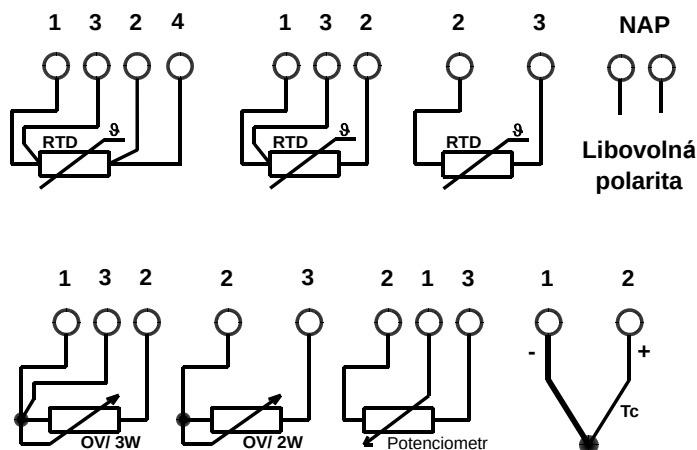
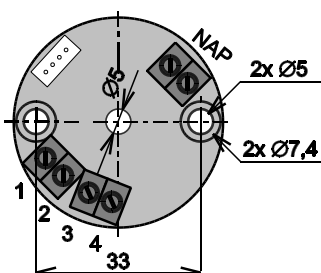
P200



Connection terminals:

NAP: power 8 ... 28V DC, output current loop (polarity insensitive)

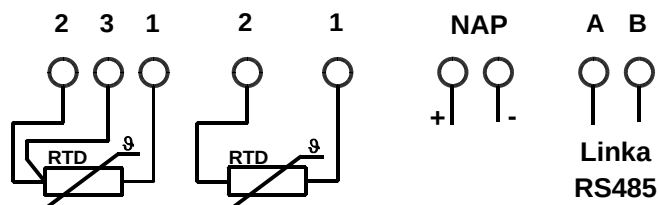
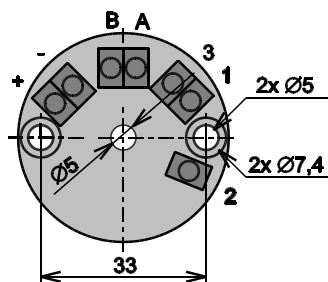
P300



Connection terminals:

NAP: power 8 ... 28V DC, output current loop (polarity insensitive)

PPL100



Connection terminals:

NAP: (-), (+): power 8 ... 28V DC

All terminals accept wires with cross sections up to 2.5 mm².

Examples of orders:

PT55N 160/80mm G1/2 P100/B max. 150°C, 2pcs

PT50HN 80mm P100/A 3w max. 150°C, 1pcs

PTP50N 300/160mm M20x1,5 0...+300°C / ASCII, 10pcs

PT50N min/100mm M27x1,5 2xPt1000/B max. 100°C, 3pcs

PTP50HN 280mm 0...+300°C / 4-20mA 4pcs

The thermometer can be ordered exposure calibration.