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CABLE-MOUNTED BEARING THERMOMETER WITH A COLLET NUT

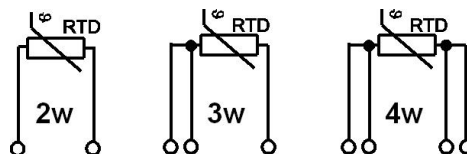
- easy connecting
- optional dimensions
- adjustable immersion depth
- screwing M12x1,75 or G1/2



PT35 has been designed to measure, e.g., the bearing temperature in large rotating machines. The adjustable nut is not pressure-tight. A Pt100 temperature sensing element according to DIN EN 60751, class A in 4-wire circuit is used as a measuring insert by default. Versions with Pt500 Pt1000 or Ni1000 are also possible. The connection is also available in 2-wire and 3-wire circuits as an option. Metal parts is made from stainless steel of 17248 grade. Mechanical dimensions as well as the cable length may be customized.

Technical data:	Temperature sensor:	Pt100/A or B, Pt1000, Ni1000, KTY, PTC etc. Twin temperature sensor is also possible
	Measuring range:	-40...+150°
	Measuring current:	max. 2mA
	Accuracy:	„A“ or „B“ according to DIN-IEC751
	Long-term stability:	+/-0,1°C / 6000 hours
	Responsive time:	t = c. 15sec
	Material:	stainless steel of 17248 grade
	Screwing:	M12x1,75 or G1/2
	Immersion length:	we can adjust it according to order
	Mechanical ruggedness:	max. 10..500Hz / 49ms ⁻² , amplitude 0,4mm
	Cable:	4w cable 200°C 2.5m, four 0.22 mm ² wires or other... Insulation of the cable (from inside to outwards): teflon layer, wire braiding, silicon Cable resistance max. 0,0873Ω / 1m at 20°C
	Dielectric strength:	1500V, dielectric resistance min. 20MΩ
	Protection (IP code):	IP65

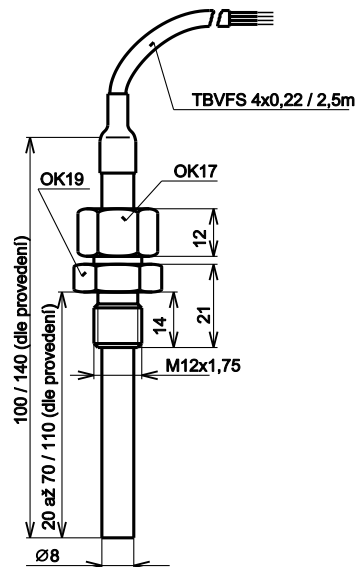
Connection methods:



- | | |
|---------------------------------------------|----------------------------------------------------------------------------------------|
| Single sensor model (signed „1“ on the nut) | - two wire model: two wires, no discrimination |
| | - three wire model: white, red + blue |
| | - four wire model: black + white, red + blue |
| Two sensor model: (signed „2“ on the nut) | - four wire model: black, white - sensor „A“
red, blue - sensor „B“ |
| | - six wire model: black + brown, yellow - sensor „A“
red + blue, white - sensor „B“ |

Type tests:	Standard type test:	to ČSN IEC 751
	EMC:	to ČSN EN 61326-1
	Safety: assessed acc.	to ČSN EN 61010-1

Dimensions:



Your order should include:

- thermometer type
- stem length
- screwing (if it is different to M12x1,75)
- accuracy of Pt100 A, B sensor, or other special requirements (double sensor, other sensor type, e.g., Pt100, Ni1000... (Pt100/A is mounted unless otherwise stated))
- cable length and design
- expected maximum temperature to measure, if exceeding that of the standard design (by arrangement)
- quantity (No. of pieces)

Purchase order example:

PT35/110mm M12x1,75 Pt100/B 4w cable 200°C, 1pc

Design for SIEMENS:

5944 0032 Thermometer PT35/70mm 1xPt100/A 3w 4m
5944 0033 Thermometer PT35/120mm 2xPt100/A 6w 10m
5944 0037 Thermometer PT35/110mm 2xPt 6w 6m
5944 0038 Thermometer PT35/110mm 2xPt 6w 6m
5944 0094 Thermometer PT35/70mm 1xPt100/A 4w 2,5m
5944 0098 Thermometer PT35/70mm 2xPt100 4w 4m
5944 0099 Thermometer PT35/70mm 1xPt100/A 4w 2,5m
5944 0109 Thermometer PT35/70mm 1xPt100/A M12x1,75 4w 5m
5944 0110 Thermometer PT35/110mm 1xPt100/A 4w 2,5m
5944 0111 Thermometer PT35/110mm 1xPt100/A 4w 3m
5944 0112 Thermometer PT35/110mm 2xPt100/A 4w 2,5m
5944 0145 Thermometer PT35/45mm 1xPt100/A 4w 4m

Any thermometer can be provided with a calibration protocol.