



Platinum temperature sensor with long PTFE-insulated 4-wire extensions For ultra-high precision

Benefits & Characteristics

- Excellent long-term stability
- 4-wire configuration
- Fast delivery times
- High-quality extensions
- Connection points insulated with PTFE shrinking tube
- Color coding acc. to IEC60751standard



Illustration¹⁾



1) For actual size, see dimensions

Technical Data

Operating temperature range:	-50 °C to +200 °C		
Nominal resistance:*	100 Ω at 0 °C		
Characteristics curve:*	3850 ppm/K		
Long-term stability:	< 0.04 % at 1000 h at maximal c	operating temperature	
Tolerance class (dependent on temperature range):*		IST AG reference	
	IEC 60751 F0.15	A	
	IEC 60751 F0.1	Y	
Connection:*	10 mm Ni/Au wire Ø 0.2 mm laser-extended with Cu/Ag- stranded PTFE-insulated wire (2x white, 2x red), AWG30/19		
Wire length (L _w):*	see order information		
Stripping length (L _s):*	5 mm		
Recommended applied current:1)	1 mA at 100 Ω		
¹⁾ Self-heating must be considered			

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physical. chemical. biological.



* Customer-specific alternatives available

Order Information

Size	Dimensions (L x W x H / H2 in mm) L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm	F0.1 (class Y)	F0.15 (class A)	F0.3 (class B)

Nominal resistance: 100 Ω at 0 $^{\circ}\text{C}$

2K (Ni/Au wire, 4 laser-extended Cu/Ag-stranded wire, AWG30/19, PTFE-insulated), 300 mm

216	2.5 x 1.6 x 0.65 / 1.1	POK1.216.2K.Y.300-4	P0K1.216.2K.A.300-4	POK1.216.2K.B.300-4
Order code		154583	154584	154585

2K (Ni/Au wire, 4 laser-extended Cu/Ag-stranded wire, AWG30/19, PTFE-insulated), 500 mm

216	2.5 x 1.6 x 0.65 / 1.1	POK1.216.2K.Y.500-4	POK1.216.2K.A.500-4	POK1.216.2K.B.500-4
Order code		upon request	upon request	upon request

2K (Ni/Au wire, 4 laser-extended Cu/Ag-stranded wire, AWG30/19, PTFE-insulated), 1000 mm

216	2.5 x 1.6 x 0.65 / 1.1	POK1.216.2K.Y.1000-4	P0K1.216.2K.A.1000-4	P0K1.216.2K.B.1000-4
Order code		upon request	upon request	upon request

Additional Documents

Application Note: Document name:



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