



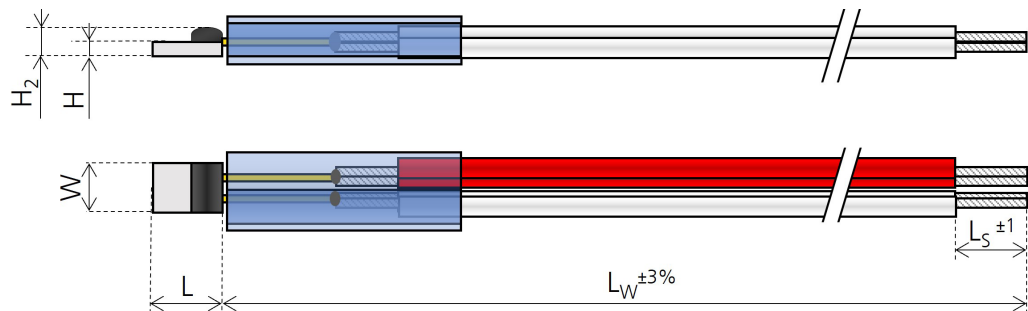
Platinum temperature sensor with long PTFE-insulated 4-wire extensions For ultra-high precision

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 IEC60751 standard



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 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



* 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)
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Nominal resistance: 100 Ω at 0 °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	P0K1.216.2K.Y.300-4	P0K1.216.2K.A.300-4	P0K1.216.2K.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	P0K1.216.2K.Y.500-4	P0K1.216.2K.A.500-4	P0K1.216.2K.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	P0K1.216.2K.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: ATP_E
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Innovative Sensor Technology IST AG, Stegrütistrasse 14, 9642 Ebnat-Kappel, Switzerland
Phone: +41 71 992 01 00 | Fax: +41 71 992 01 99 | Email: info@ist-ag.com | www.ist-ag.com

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P0K1.216.2K._.300-4_2.3.0 | Temperature Platinum | 200°C Series