

physical. chemical. biological.





750 °C Series Platinum sensor with wires For very high temperatures







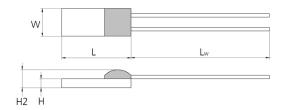


Benefits & Characteristics

- Excellent long-term stability
- Low self-heating
- Fast response time

- Vibration and temperature shock resistant
- Simple interchangeability
- Customer-specific sensor available upon request

Illustration¹⁾



1) For actual size, see dimensions

Technical Data

Operating temperature range:	-200 °C to +750 °C	
Nominal resistance:*	100 Ω at 0 °C	
	500 Ω at 0 °C	
	1000 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 F0.3 B	
	IEC 60751 F0.6 C	
	IEC 60751 F0.1 Y	
Connection:*	Pt-wire, \varnothing 0.2 mm (solderable, weldable, crimpable, brazeable)	
Recommended applied current:1)	1 mA at 100 Ω	
¹⁾ Self-heating must be considered	0.5 mA at 500 Ω	
	0.3 mA at 1000 Ω	
Other alternatives:*	Grouped and paired	
	Substrate thickness	

^{*} Customer-specific alternatives available



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F0.1 (class Y) F0.15 (class A) F0.3 (class B) 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

Nominal resistance: 100 Ω at 0 °C

516	5 x 1.6 x 0.65 / 1.3	Upon request	P0K1.516.7W.A.007	P0K1.516.7W.B.007
Order code			100425	100424
Fromer orde	r code		010.00644	010.00643
102	10 x 2 x 0.65 / 1.3	Upon request	P0K1.102.7W.A.010	P0K1.102.7W.B.010
Order code			150013	100203
Former order	r code		010.00156	010.00155

Nominal resistance: 500 Ω at 0 °C

516	5 x 1.6 x 0.65 / 1.3	Upon request	Upon request	P0K5.516.7W.B.007
Order cod	le			Upon request
Former order code		010.01660		

Nominal resistance: 1000 Ω at 0 °C

216	2.5 x 1.6 x 0.65 / 1.3	Upon request	Upon request	P1K0.216.7W.B.010
Order code				104051
Former orde	er code			310.00158
516	5 x 1.6 x 0.65 / 1.3	P1K0.516.7W.Y.010	P1K0.516.7W.A.010	P1K0.516.7W.B.010
Order code		100726	100572	100571
Former orde	er code	010.01683	010.01073	010.01072
520	5 x 2 x 0.65 / 1.3	Upon request	P1K0.520.7W.A.010	P1K0.520.7W.B.010
Order code			100512	100288
Former orde	er code		010.00953	010.00283
102	10 x 2 x 0.65 / 1.3	Upon request	Upon request	P1K0.102.7W.B.010
Order code				Upon request
Former orde	er code			010.00319

Additional Documents

	Document name:
Application Note:	ATP_E



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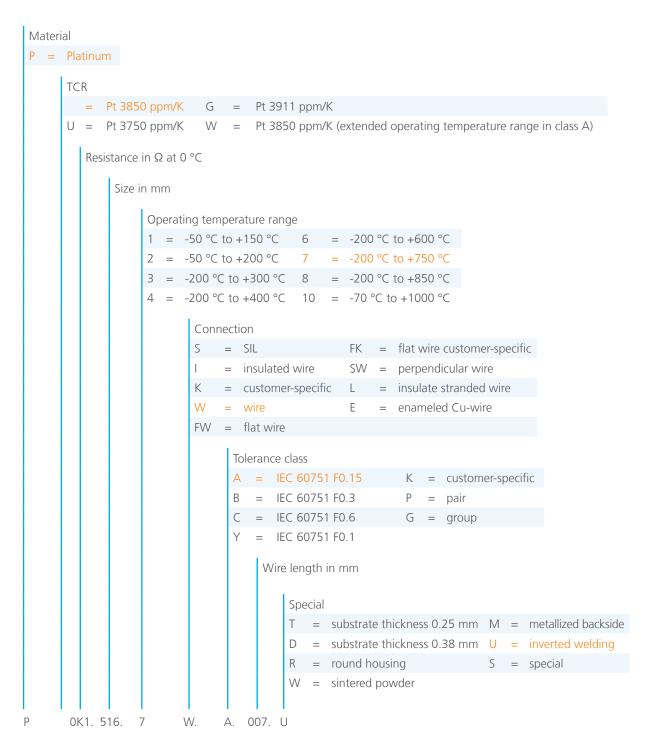
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Order Information Platinum Sensor Secondary reference











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