



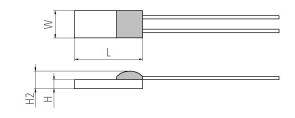
750 °C Series Platinum sensor with wires For very high temperatures

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	А						
	IEC 60751 F0.3	В						
	IEC 60751 F0.6	С						
	IEC 60751 F0.1	Υ						
Connection:*	Pt-wire, Ø 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



physical. chemical. biological.



Order Information - 7W (Pt-wire, Ø 0.2 mm)

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 res	sistance: 100 Ω at 0 °C			
516 Order code	5 x 1.6 x 0.65 / 1.3	Upon request	P0K1.516.7W.A.007 010.00644	POK1.516.7W.B.007 010.00643
102 Order code	10 x 2 x 0.65 / 1.3	Upon request	P0K1.102.7W.A.010 010.00156	POK1.102.7W.B.010 010.00155
Nominal res	sistance: 500 Ω at 0 °C			
516 Order code	5 x 1.6 x 0.65 / 1.3	Upon request	Upon request	P0K5.516.7W.B.007 010.01660
Nominal res	istance: 1000 Ω at 0 °C			
216 Order code	2.5 x 1.6 x 0.65 / 1.3	Upon request	Upon request	P1K0.216.7W.B.010 310.00158
516 Order code	5 x 1.6 x 0.65 / 1.3	P1K0.516.7W.Y.010 010.01683	P1K0.516.7W.A.010 010.01073	P1K0.516.7W.B.010 010.01072
520 Order code	5 x 2 x 0.65 / 1.3	Upon request	P1K0.520.7W.A.010 010.00953	P1K0.520.7W.B.010 010.00283
102 Order code	10 x 2 x 0.65 / 1.3	Upon request	Upon request	P1K0.102.7W.B.010 010.00319
Addition	al Documents			
Application	Note:		Document name: ATP_E	



physical. chemical. biological.



Order Information Platinum Sensor Secondary reference

TCR																
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						R =		ind ho		0			S	=	special	
						W =	sin	tered p	powo	der						



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