

physical. chemical. biological.





PW Series Platinum sensor with wires





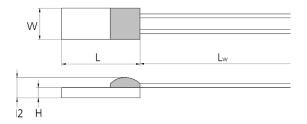




Benefits & Characteristics

- Capable of measuring in class A up to +600 °C •
- Increased long-term stability
- Alternative to wire-wound sensors
- Short-term applicable up to +750 °C
- Very stable characteristics curve
- Available with same dimensions as a wire-wound sensor
- Very low hysteresis
- Customer-specific sensor available upon request

Illustration¹⁾



Dime		

W ±0.2 mm, L ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm, L_{w} (up to 30 mm) ± 1 mm

1) For actual size, see dimensions

Technical Data

Operating temperature range:	-200 °C to +600 °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 m	aximal op	erating temperature
Tolerance class:*		IST AG reference	
	IEC 60751 F0.15	А	-200 °C to +600 °C
	IEC 60751 F0.3	В	-200 °C to +600 °C
	IEC 60751 F0.6	C	-200 °C to +600 °C
	IEC 60751 F0.1	Υ	-200 °C to +500 °C
	1/5 IEC 60751 F0.3	K*	-100 °C to +300 °C
Connection:*	Pt-wire, Ø 0.2 mm (solder brazeable)	able, wel	dable, crimpable,
Alternative wire construction:*	Inverted wires		
Recommended applied current:1)	0.2 mA at 100 Ω		
¹⁾ Self-heating must be considered	0.09 mA at 500 Ω		



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Housed in round ceramics (for dry environments only) - see data sheet DTP_Round_Housing_E

Grouped and paired

Product photo

Other alternatives:*



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

Size	Dimensions	F0.1 (class Y)	F0.15 (class A)	F0.3 (class B)
	$(I \times W \times H / H2 \cdot I \text{ in mm})$			

Nominal resistance: 100 Ω at 0 °C

216 2.4 x 1.4 x 0.45 / 0.8; 7.0	PW0K1.216.7W.Y.007	PW0K1.216.7W.A.007	PW0K1.216.7W.B.007
Order code	101686	101700	101701
Former Order code	010.03306	010.03320	010.03321

Nominal resistance: 500 Ω at 0 °C

216	2.4 x 1.4 x 0.45 / 0.8; 7.0	PW0K5.216.7W.Y.007	PW0K5.216.7W.A.007	PW0K5.216.7W.B.007
Orde	r code	101702	101703	101704
Form	er Order code	010.03322	010.03323	010.03324

Nominal resistance: 1000 Ω at 0 °C

216	2.4 x 1.4 x 0.45 / 0.8; 7.0	PW1K0.216.7W.Y.007	PW1K0.216.7W.A.007	PW1K0.216.7W.B.007
Order	code	101716	101720	101721
Forme	r Order code	010.03339	010.03344	010.03345

Additional Documents

	Document name:
Application Note:	ATP_E

^{*} Customer-specific alternatives available



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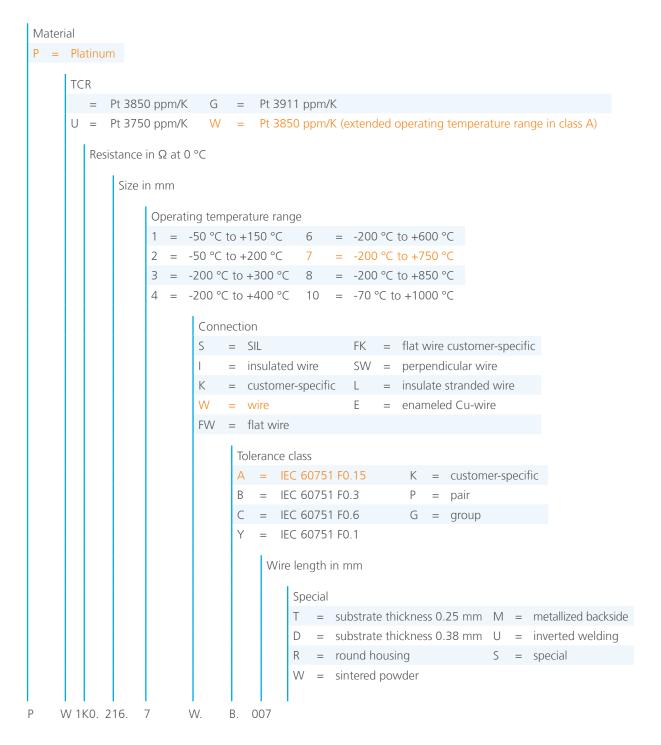


Order Information Platinum Sensor Secondary reference











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