













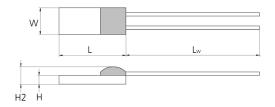
PG Series Platinum sensor with wires

For applications with GOST-coefficient 3911 ppm/K

Benefits & Characteristics

- Capable of measuring in class A up to +600 °C
- Short-term applicable up to +750 °C
- Very low hysteresis
- Very stable characteristics curve
- GOST norm compatible (3911 ppm/K characteristics curve)
- Available with same dimensions as a wire-wound sensor
- Customer-specific sensor available upon request

Illustration¹⁾



¹⁾ For actual size, see Dimensions

Technical Data

Operating temperature range:	-200 °C to +600 °C		
Nominal resistance:*	50 Ω at 0 °C		
	100 Ω at 0 °C		
	500 Ω at 0 °C		
	1000 Ω at 0 °C		
Characteristics curve:	3911 ppm/K		
Long-term stability:	< 0.04% at 1000 h at maximal operating temperature		
Tolerance class:*	IST AG reference		
	GOST 8.625-2006 F0.15 A -200 °C to +600 °C		
	GOST 8.625-2006 F0.3 B -200 °C to +600 °C		
	GOST 8.625-2006 F0.6 C -200 °C to +600 °C		
	GOST 8.625-2006 F0.1 Y -200 °C to +500 °C		
Connection:*	Pt wire, \varnothing 0.2 mm (solderable, weldable, crimpable) -200 °C to +600 °C		
	Pt/Ni clad wire, Ø 0.2 mm (solderable, weldable, crimpable) -200 °C to +400 °C		
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		
	0.06 mA at 1000 Ω		















Housed in round ceramics (for dry environments only) Grouped and paired

* Customer-specific alternatives available

Order Information - 4K (Pt/Ni-wire, Ø 0.2 mm)

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

Nominal resistance: 50 Ω at 0 °C

216 2.4 x 1.4 x 0.45 / 0.8	Upon request	PG050.216.4K.A.010	PG050.216.4K.B.010
Order code		101120	101121
Former order code		010.02541	010.02542

Nominal resistance: 100 Ω at 0 °C

216 2.4 x 1.4 x 0.45 / 0.8	PG0K1.216.4K.Y.010	PG0K1.216.4K.A.010	PG0K1.216.4K.B.010
Order code	101230	101122	101123
Former order code	010.02723	010.02544	010.02545

Nominal resistance: 500 Ω at 0 °C

216	2.4 x 1.4 x 0.45 / 0.8	Upon request	Upon request	PG0K5.216.4K.B.010
Order	code			101149
Forme	er order code			010.02589

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

Nominal resistance: 50 Ω at 0 $^{\circ}$ C			
216 2.4 x 1.4 x 0.45 / 0.8	Upon request	Upon request	PG050.216.7W.B.007
Order code			101255
Former order code			010.02761
Nominal resistance: 100 Ω at 0 $^{\circ}\text{C}$			
216 2.4 x 1.4 x 0.45 / 0.8	PG0K1.216.7W.Y.007	PG0K1.216.7W.A.007	PG0K1.216.7W.B.007
Order code	101256	101125	101126
Former order code	010.02762	010.02547	010.02548
Nominal resistance: 500 Ω at 0 $^{\circ}\text{C}$			
216 2.4 x 1.4 x 0.45 / 0.8	PG0K5.216.7W.Y.007	PG0K5.216.7W.A.007	PG0K5.216.7W.B.007
Order code	101137	Upon request	Upon request

010.02572

010.02570

Former order code

010.02573



310.00264











Order Information - R (in round ceramic housing, Pt/Ni-wire, Ø 0.2 mm)

Dimensions (Ø x L in mm) F0.1 (class Y) F0.15 (class A) F0.3 (class B) Size Ø ±0.2 mm, L ±1 mm

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

281 2.8 x 13 PG0K1.281.4K.A.006.R PG0K1.281.4K.B.006.R Upon request Order code Upon request Upon request Former order code

310.00447

Order Information - R (in round ceramic housing, Pt-wire, Ø 0.2 mm)

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

281 2.8 x 13 PG0K1.281.7W.Y.004.R PG0K1.281.7W.A.004.R PG0K1.281.7W.B.004.R Order code 104065 104064 Upon request Former order code 310.00270 310.00269 310.00268

Additional Documents

Document name: Application Note: ATP_E





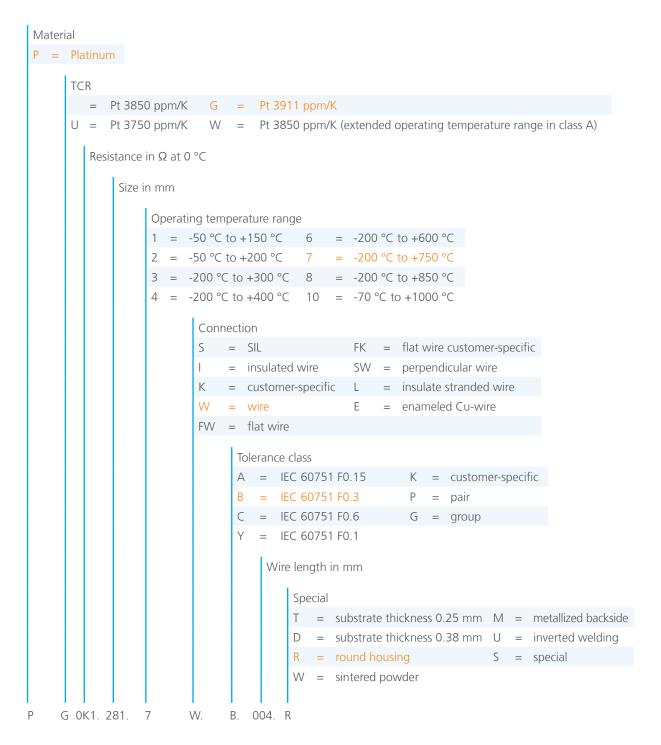


Order Information Platinum Sensor Secondary reference











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