





200 °C Series Platinum sensor with wires For low temperatures







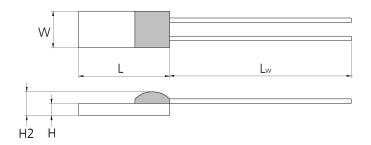


Benefits & Characteristics

- Excellent long-term stability
- Low self-heating
- Long isolated wires
- Stranded wires available

- Fast response time
- Metallized backside available
- Customer-specific sensor available upon request

Illustration¹⁾



¹⁾ For actual size, see dimensions

Technical Data

0 °C to +200 °C 00 Ω at 0 °C
00 O at 0 °C
70 12 dt 0 C
00 Ω at 0 °C
000 Ω at 0 °C
350 ppm/K
0.04 % at 1000 h at maximal operating temperature
IST AG reference
C 60751 F0.15 A
C 60751 F0.3 B
C 60751 F0.6 C
C 60751 F0.1 Y
u/Ag-single wire with PTFE (solderable, weldable, crimpable)
u/Ag-stranded wire with PTFE (solderable, weldable, impable)
g-wire, Ø 0.25 mm, metallized backside
verted wires
tended wires
mA at 100 Ω
5 mA at 500 Ω
3 mA at 1000 Ω













Other alternatives:*	Metallized backside
	Housed in round ceramics (for dry environments only)
	Grouped and paired
	Substrate thickness

^{*} Customer-specific alternatives available

Order Information - 2I (Cu/Ag-wire, AWG30, PTFE-insulated)

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

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

232 Order code Former order	2.3 x 2.0 x 0.65 / 1.3 r code	Upon request	P0K1.232.2I.A.030 101317 <i>010.02857</i>	P0K1.232.2I.B.030 100894 <i>010.02071</i>
232 Order code Former order	2.3 x 2.0 x 0.65 / 1.3 r code	Upon request	P0K1.232.2I.A.050 101092 <i>010.02487</i>	P0K1.232.2I.B.050 100443 <i>010.00678</i>
420 Order code Former order	4.0 x 2.0 x 0.65 / 1.3 r code	Upon request	Upon request	P0K1.420.2I.B.015 101435 <i>010.03022</i>
516 Order code Former order	5.0 x 1.6 x 0.65 / 1.3	Upon request	Upon request	P0K1.516.2I.B.030 100384 <i>010.00508</i>
520 Order code Former order	5.0 x 2.0 x 0.65 / 1.3 r code	Upon request	Upon request	P0K1.520.2I.B.100 100173 <i>010.00110</i>
538 Order code Former order	5.0 x 3.8 x 0.65 / 1.3 r code	Upon request	Upon request	P0K1.538.2I.B.060 100389 <i>010.00527</i>
102 Order code Former order	10.0 x 2.0 x 0.65 / 1.3 r code	Upon request	Upon request	P0K1.102.2I.B.050 100742 <i>010.01710</i>

With substrate thickness 0.4 mm (D)

516	5.0 x 1.6 x 0.4 / 1.05	Upon request	Upon request	P0K1.516.2I.B.1000.D
Order code				100531
Former order code				010.00987

Nominal resistance: 500 Ω at 0 °C

516	5.0 x 1.6 x 0.65 / 1.3	Upon request	Upon request	P0K5.516.2I.B.080
Order cod	е			100987
Former or	der code			010.02278













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 ±0.1 mm, H2 ±0.3 mm			

538	5.0 x 3.8 x 0.65 / 1.3	Upon request	Upon request	P0K5.538.2I.B.035
Order co	ode			100236
Former	order code			010.00200
102	10.0 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P0K5.102.2I.B.070
Order co	ode			100241
Former order code				010.00210

Nominal resistance: 1000 Ω at 0 °C

rtommar re	Sistance. 1000 in at 0 C			
202 Order code Former orde	1.8 x 2.0 x 0.65 / 1.0	Upon request	Upon request	P1K0.202.2I.B.100 101611 010.03229
	1.8 x 2.0 x 0.65 / 1.0	Upon request	P1K0.202.2I.A.150 101544 <i>010.03162</i>	P1K0.202.2I.B.150 101545 010.03163
232 Order code Former orde	2.3 x 2.0 x 0.65 / 1.3 er code	Upon request	Upon request	P1K0.232.2I.B.015 100731 <i>010.01691</i>
232 Order code	2.3 x 2.0 x 0.65 / 1.3	P1K0.232.2I.Y.150 101085 010.02475	P1K0.232.2I.A.050 101225 010.02712	P1K0.232.2I.B.050 100958 010.02225
232 Order code	2.3 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P1K0.232.2I.B.080 101342 010.02888
	5.0 x 2.0 x 0.65 / 1.3	Upon request	P1K0.520.2I.A.050 100392 <i>010.00566</i>	P1K0.520.2I.B.050 100391 <i>010.00565</i>
102 Order code Former orde	10.0 x 2.0 x 0.65 / 1.3 er code	Upon request	Upon request	P1K0.102.2I.B.045 100453 <i>010.006</i> 99
102 Order code Former orde	10.0 x 2.0 x 0.65 / 1.3 er code	Upon request	Upon request	P1K0.102.2I.B.120 101286 <i>010.02810</i>

Order Information - 2I (Cu/Ag-wire, AWG32, PTFE-insulated)

Nominal resistance: 100 Ω at 0 °C

161	1.6 x 1.2 x 0.25 / 0.6	Upon request	Upon request	P0K1.161.2I.B.050
Order code	9			101200
Former ord	der code			010.02677



F0.3 (class B)











Size	Dimensions	F0.1 (class Y)	F0.15 (class A)
JIZC	DITTICTISTOTIS	10.1 (0.035 1)	10.15 (Class / 1)

(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: 1000 Ω at 0 °C

161	1.6 x 1.2 x 0.25 / 0.6	Upon request	Upon request	P1K0.161.2I.B.150
Order code				101199
Former orde	r code		010.02674	
161	1.6 x 1.2 x 0.25 / 0.6	Upon request	P1K0.161.2I.A.750	P1K0.161.2I.B.750
Order code			101302	100959
Former orde	r code		010.02833	010.02226

Order Information - 2L (Cu/Ag-stranded wire, AWG28/7, PTFE-insulated)

Nominal resistance: 100 Ω at 0 $^{\circ}$ C							
202 Order code	2.0 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P0K1.202.2L.B.010 101043			
Former ord	der code		010.02392				
232	2.3 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P0K1.232.2L.B.050			
Order code	2			100522			
Former order code 010.00966							
232	2.3 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P0K1.232.2L.B.100			
Order code	2			100405			
Former order code 010.00609							
232	2.3 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P0K1.232.2L.B.150			
Order code	2			100394			
Former ord	010.00574						
232	2.3 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P0K1.232.2L.B.1500			
Order code	9			100914			
Former order code				010.02115			
520	5.0 x 2.0 x 0.65 / 1.3	Upon request	P0K1.520.2L.A.100	P0K1.520.2L.B.100			
			Upon request	101284			
Former order code 010.			010.02802	010.02803			
520	5.0 x 2.0 x 0.65 / 1.3	Upon request	Upon request	POK1.520.2L.B.250			
Order code 100590							
Former order code 010.01116							

Nominal resistance: 1000 Ω at 0 $^{\circ}\text{C}$

232	2.3 x 2.0 x 0.65 / 1.3	Upon request	Upon request	P1K0.232.2L.B.150
Order co	ode			100346
Former o	order code			010.00408













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 ±0.1 mm, H2 ±0.3 mm

2.3 x 2.0 x 0.65 / 1.3 P1K0.232.2L.B.200 232 Upon request Upon request

Order code 100810 Former order code 010.01884

102 10.0 x 2.0 x 0.65 / 1.3 Upon request Upon request P1K0.102.2L.B.270

100431 Order code Former order code 010.00655

Order Information - 2W (Ag-wire, Ø 0.25 mm, metallized backside)

Nominal resistance: 100 Ω at 0 °C

232 2.3 x 2.0 x 0.65 / 1.3 Upon request P0K1.232.2W.A.010.M P0K1.232.2W.B.010.M Order code 100727 100434 Former order code 010.01684 010.00661

Nominal resistance: 1000 Ω at 0 °C

2.3 x 2.0 x 0.65 / 1.3 Upon request Upon request P1K0.232.2W.B.010.M 101261 Order code Former order code 010.02768

Additional Documents

Document name: Application Note: ATP_E





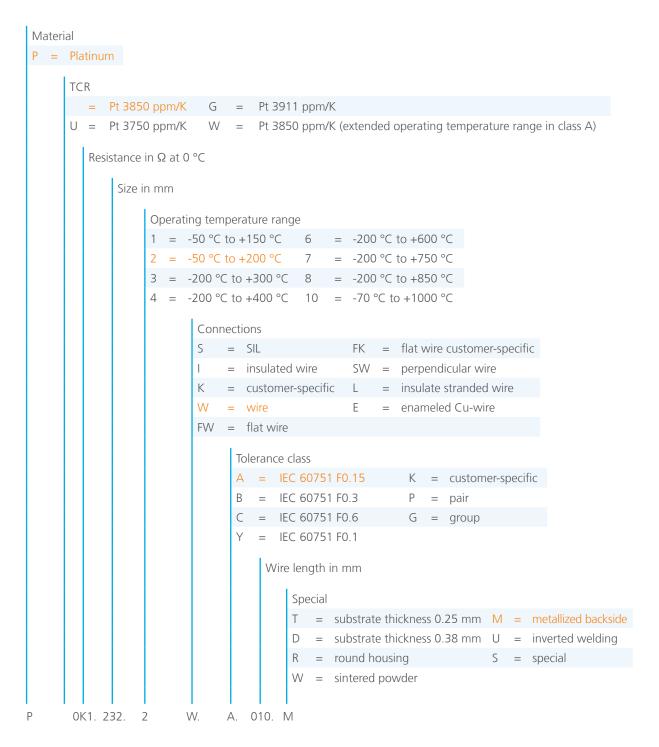
14.44 14.44 14.44

Order Information Platinum sensor Secondary reference











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