



200 °C Series



Platinum sensor with wires

For low temperatures

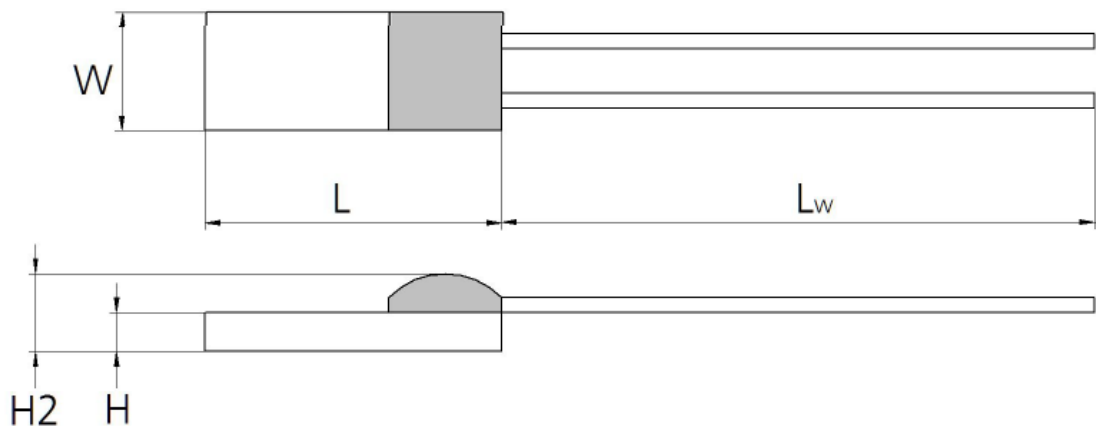


Benefits & characteristics

- 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



Illustration ¹⁾



¹⁾ for actual size see dimensions in order information

H = Substrate Height

H2 = Height

W = Width

L = Length

L_w = Wire length

Dimension tolerances:

W ±0.2 mm, L ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm,

LW (up to 30 mm) ±1 mm



Technical data

Operating temperature range: -50 °C to +200 °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: *	iST reference
(dependent on temperature range)	
IEC 60751 F0.15	A
IEC 60751 F0.3	B
IEC 60751 F0.6	C
IEC 60751 F0.1	Y

Connection:*

Cu/Ag-single wire with PTFE (solderable, weldable, crimpable)

Cu/Ag-stranded wire with PTFE (solderable, weldable, crimpable)

Ag-wire, $\varnothing$ 0.25 mm, metallized backside

Cu/Ag wire, AWG30, PTFE insulated, insulation, wire ends stripped

Cu/Ag wire, AWG34, PTFE insulated black

Alternative wire construction:*

Inverted wires

Extended wires

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:*

Metallized backside

Housed in round ceramics (for dry environments only)

Grouped and paired

Substrate thickness

* Customer-specific alternatives available



Order Information



Nominal Resistance	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	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
2I (Cu/Ag-wire, AWG30, PTFE-insulated)							
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.1 (class Y)	On request	P1K0.202.2I.Y.100	100	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.15 (class A)	On request	P1K0.202.2I.A.100	100	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.3 (class B)	101611	P1K0.202.2I.B.100	100	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.1 (class Y)	On request	P1K0.202.2I.Y.150	150	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.15 (class A)	101544	P1K0.202.2I.A.150	150	
1000 Ω	202	1.8 x 2.0 x 0.65 / 1.0	F0.3 (class B)	101545	P1K0.202.2I.B.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2I.Y.030	30	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	101317	P0K1.232.2I.A.030	30	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100894	P0K1.232.2I.B.030	30	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2I.Y.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	101092	P0K1.232.2I.A.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100443	P0K1.232.2I.B.050	50	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2I.Y.015	15	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2I.A.015	15	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100731	P1K0.232.2I.B.015	15	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	101085	P1K0.232.2I.Y.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	101225	P1K0.232.2I.A.050	50	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100958	P1K0.232.2I.B.050	50	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2I.Y.080	80	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2I.A.080	80	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101342	P1K0.232.2I.B.080	80	
100 Ω	420	4.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.420.2I.Y.015	15	
100 Ω	420	4.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.420.2I.A.015	15	
100 Ω	420	4.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101435	P0K1.420.2I.B.015	15	
100 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.516.2I.Y.030	30	
100 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.516.2I.A.030	30	
100 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.3 (class B)	100384	P0K1.516.2I.B.030	30	



Nominal Resistance	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	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
100 Ω	516	5.0 x 1.6 x 0.4 / 1.05	F0.1 (class Y)	On request	P0K1.516.2I.Y.1000.D	1000	substrate thickness 0.4 mm
100 Ω	516	5.0 x 1.6 x 0.4 / 1.05	F0.15 (class A)	On request	P0K1.516.2I.A.1000.D	1000	substrate thickness 0.4 mm
100 Ω	516	5.0 x 1.6 x 0.4 / 1.05	F0.3 (class B)	100531	P0K1.516.2I.B.1000.D	1000	substrate thickness 0.4 mm
500 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K5.516.2I.Y.080	80	
500 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.15 (class A)	On request	P0K5.516.2I.A.080	80	
500 Ω	516	5.0 x 1.6 x 0.65 / 1.3	F0.3 (class B)	100987	P0K5.516.2I.B.080	80	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.520.2I.Y.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.2I.A.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100173	P0K1.520.2I.B.100	100	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.050	50	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	100392	P1K0.520.2I.A.050	50	
1000 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100391	P1K0.520.2I.B.050	50	
100 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.538.2I.Y.060	60	
100 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.538.2I.A.060	60	
100 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.3 (class B)	100389	P0K1.538.2I.B.060	60	
500 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K5.538.2I.Y.035	35	
500 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.15 (class A)	On request	P0K5.538.2I.A.035	35	
500 Ω	538	5.0 x 3.8 x 0.65 / 1.3	F0.3 (class B)	100236	P0K5.538.2I.B.035	35	
100 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.102.2I.Y.050	50	
100 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.102.2I.A.050	50	
100 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100742	P0K1.102.2I.B.050	50	
500 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K5.102.2I.Y.070	70	
500 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K5.102.2I.A.070	70	
500 Ω	102	1.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100241	P0K5.102.2I.B.070	70	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.102.2I.Y.045	45	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.102.2I.A.045	45	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100453	P1K0.102.2I.B.045	45	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.102.2I.Y.120	120	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.102.2I.A.120	120	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101286	P1K0.102.2I.B.120	120	



Nominal Resistance	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	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
2I (Cu/Ag-wire, AWG30, PTFE-insulated, green, insulation strength: 250 V, wire ends 3 mm stripped)							
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.030.S	30	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.030.S	30	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155098	P1K0.520.2I.B.030.S	30	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.050.S	50	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100526	P1K0.520.2I.A.050.S	50	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100520	P1K0.520.2I.B.050.S	50	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.075.S	75	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.075.S	75	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155099	P1K0.520.2I.B.075.S	75	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.085.S	85	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100539	P1K0.520.2I.A.085.S	85	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100826	P1K0.520.2I.B.085.S	85	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.090.S	90	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.090.S	90	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155100	P1K0.520.2I.B.090.S	90	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.145.S	145	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100530	P1K0.520.2I.A.145.S	145	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100600	P1K0.520.2I.B.145.S	145	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.160.S	160	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.160.S	160	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155102	P1K0.520.2I.B.160.S	160	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.195.S	195	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100450	P1K0.520.2I.A.195.S	195	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100751	P1K0.520.2I.B.195.S	195	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.230.S	230	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.230.S	230	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155103	P1K0.520.2I.B.230.S	230	



Nominal Resistance	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	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.295.S	295	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	100540	P1K0.520.2I.A.295.S	295	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	100562	P1K0.520.2I.B.295.S	295	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.1 (class Y)	On request	P1K0.520.2I.Y.340.S	340	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.15 (class A)	On request	P1K0.520.2I.A.340.S	340	
1000 Ω	520	5.0 x 2.0 x 0.63 / 1.3	F0.3 (class B)	155104	P1K0.520.2I.B.340.S	340	

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

100 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.1 (class Y)	On request	P0K1.161.2I.Y.050	50	
100 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.15 (class A)	On request	P0K1.161.2I.A.050	50	
100 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.3 (class B)	101200	P0K1.161.2I.B.050	50	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.1 (class Y)	On request	P1K0.161.2I.Y.150	150	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.15 (class A)	On request	P1K0.161.2I.A.150	150	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.3 (class B)	101199	P1K0.161.2I.B.150	150	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.1 (class Y)	On request	P1K0.161.2I.Y.750	750	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.15 (class A)	101302	P1K0.161.2I.A.750	750	
1000 Ω	161	1.6 x 1.2 x 0.25 / 0.8	F0.3 (class B)	100959	P1K0.161.2I.B.750	750	

2I (Cu/Ag-wire, AWG34, PTFE-insulated black)

100 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.1 (class Y)	On request	P0K1.308.2I.Y.100	100	
100 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.15 (class A)	152468	P0K1.308.2I.A.100	100	
100 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.3 (class B)	152469	P0K1.308.2I.B.100	100	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.1 (class Y)	On request	P1K0.308.2I.Y.100	100	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.15 (class A)	152464	P1K0.308.2I.A.100	100	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.3 (class B)	152466	P1K0.308.2I.B.100	100	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.1 (class Y)	On request	P1K0.308.2I.Y.135	135	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.15 (class A)	154175	P1K0.308.2I.A.135	135	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.3 (class B)	154200	P1K0.308.2I.B.135	135	



Nominal Resistance	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	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
--------------------	------	--	--------	------------	---------------------------------------	----------------------	---------

2I (Cu/Ag-wire, AWG34, PTFE-insulated black, ends 29.5 mm stripped)

1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.1 (class Y)	On request	P1K0.308.2I.Y.060.S	60	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.15 (class A)	153804	P1K0.308.2I.A.060.S	60	
1000 Ω	308	3.0 x 0.8 x 0.25 / 0.6	F0.3 (class B)	153785	P1K0.308.2I.B.060.S	60	

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

100 Ω	202	2.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.202.2L.Y.010	10	
100 Ω	202	2.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.202.2L.A.010	10	
100 Ω	202	2.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101043	P0K1.202.2L.B.010	10	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100522	P0K1.232.2L.B.050	50	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.100	100	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.100	100	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100405	P0K1.232.2L.B.100	100	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100394	P0K1.232.2L.B.150	150	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2L.Y.1500	1500	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.232.2L.A.1500	1500	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100914	P0K1.232.2L.B.1500	1500	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2L.Y.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2L.A.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100346	P1K0.232.2L.B.150	150	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2L.Y.200	200	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2L.A.200	200	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100810	P1K0.232.2L.B.200	200	



Nominal Resistance	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	Class*	Order code	Product name (secondary reference)	Wire length in mm	Special
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.520.2L.Y.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.2L.A.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101284	P0K1.520.2L.B.100	100	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.520.2L.Y.250	250	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P0K1.520.2L.A.250	250	
100 Ω	520	5.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100590	P0K1.520.2L.B.250	250	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.102.2L.Y.270	270	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.102.2L.A.270	270	
1000 Ω	102	10.0 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100431	P1K0.102.2L.B.270	270	

2W (Ag-wire, $\varnothing$ 0.25 mm, metallized backside)*

100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P0K1.232.2W.Y.010.M	10	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	100727	P0K1.232.2W.A.010.M	10	
100 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	100434	P0K1.232.2W.B.010.M	10	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.1 (class Y)	On request	P1K0.232.2W.Y.010.M	10	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.15 (class A)	On request	P1K0.232.2W.A.010.M	10	
1000 Ω	232	2.3 x 2.0 x 0.65 / 1.3	F0.3 (class B)	101261	P1K0.232.2W.B.010.M	10	

*Operating Temperature range: -200 °C to +200 °C

Additional Documents

Application Note Platinum Temperature Sensors

Document name: ATP_E



Order Information

Platinum Sensor - Secondary reference



Material

P = Platinum

TCR

= Pt 3850 ppm/K G = Pt 3911 ppm/K
U = Pt 3750 ppm/K W = Pt 3850 ppm/K (extended operating temperature range in class A)

Resistance in Ω at 0°C

Size in mm

Operating temperature range

1 = -50 °C to + 150 °C	6 = -200 °C to + 600 °C
2 = -50 °C to + 200 °C	7 = -200 °C to + 750 °C
3 = -200 °C to + 300 °C	8 = -200 °C to + 850 °C
4 = -200 °C to + 400 °C	10 = -70 °C to + 1000 °C

Connections

S = SIL	FK = Flat wire customer specific
I = Insulated wire	SW = Perpendicular wire
K = Extended wire	L = Insulated stranded wire
W = Wire	E = Enameled Cu-wire
FW = Flat wire	SE = Perpendicular enamelled Cu-wire

Tolerance class

A = IEC 60751 F0.15	K = Customer-specific
B = IEC 60751 F0.3	P = Pair
C = IEC 60751 F0.6	G = Group
Y = IEC 60751 F0.1	

Wire length in mm

Special

T = Substrate thickness 0.25 mm	M = Metallized backside
D = Substrate thickness 0.38 mm	U = Inverted welding
R = Round housing	S = Special
W = Sintered powder	

P OK1. 232. 2 W. A. 010. M



Innovative Sensor Technology IST AG • Stegrütistrasse 14 • 9642 Ebnat-Kappel • Switzerland
+41 71 992 01 00 • info@ist-ag.com • www.ist-ag.com

Technical specifications are subject to change without prior notice. The information contained in this data sheet has been carefully reviewed and is believed to be accurate; however, no liability is assumed for any errors or omissions. Continuous exposure to extreme operating conditions may impact product lifetime or reliability. The customer is solely responsible for assessing the suitability and fitness of the product for their specific application. This product is not designed, authorized, or warranted for use in life support or safety-critical applications. The customer agrees to hold the supplier harmless from any claims, damages, or liabilities arising from such use. No explicit or implied warranties, including but not limited to warranties of merchantability or fitness for a particular purpose, are provided. The material provided herein may not be reproduced, adapted, merged, translated, stored, or utilized in any form without prior written consent from the copyright holder. No transfer of any intellectual property rights is granted or implied. All rights reserved.