PY-Series - Polymer Surface Pt Temperature Sensor

Temperature range -20 °C to +110 °C

Performance Characteristics

- Ideal surface contact sensor
- Robust polymer housing
- Abrasion resistant jacketed cable
- Ease of mounting by through hole
- Highly resistant against most chemicals
- According to DIN EN 60751

Application Examples

- PV module management
- HVAC
- Data logging
- General purpose surface sensing

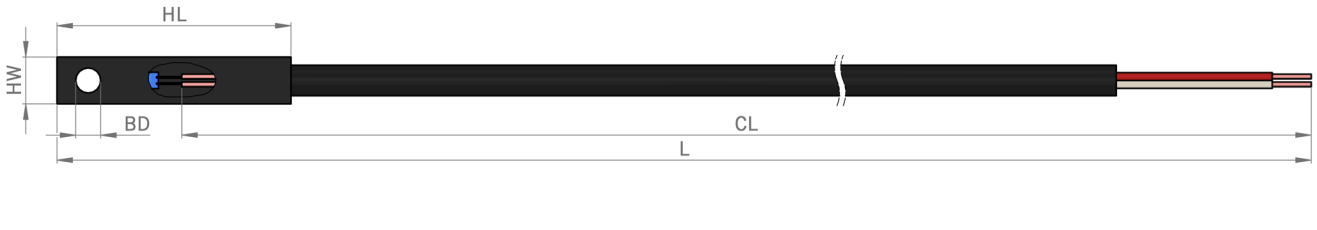

Image for illustration purposes only

Dimensions and Materials

No.	Product Type	Element Resistance R_0 [Ω]	Dimensions and Tolerances (mm)					Conductor			Order Number
			HL	HW	CL	BD	L	Core (AWG)	Insulation	Color	
1	PY3060-S-B32	Pt100 / F 0.3	30 ±0.1	6 ±0.1	2514 ±8	3.2 ±0.1	2530 ±10	24/07 Cu	PVC/PVC	White/ Red	31600393
2	PY3060-S-B32	Pt1000 / F 0.3	30 ±0.1	6 ±0.1	2514 ±8	3.2 ±0.1	2530 ±10	24/07 Cu	PVC/PVC	White/ Red	30504002
3	PY3060-S-B32	Pt100 / F 0.3	30 ±0.1	6 ±0.1	3014 ±8	3.2 ±0.1	3030 ±10	24/07 Cu	PVC/PVC	White/ Red	5145162

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Performance Data

No.	Temperature Range	Response Time Water (v = 0.4 m/s)		Conductor Resistance [Ω/m]	Application
		T0.5 [s]	T0.9 [s]		
1	-20 °C to +110 °C	11.5	32	0.08 ±10 %	Multi-Purpose
2	-20 °C to +110 °C	11.5	32	0.08 ±10 %	Multi-Purpose
3	-20 °C to +110 °C	11.5	32	0.08 ±10 %	Multi-Purpose

Temperature Coefficient
TCR = 3850 ppm/K

Measuring Current
Pt100 Ω: 0.3 to 1.0 mA
Pt1000 Ω: 0.1 to 0.3 mA
(self-heating has to be considered)

Self-Heating (Sensor Element)
0.4 K/mW at 0 °C

Customization Optioins

- Sensor element (type and resistance)
- Cable material (core and insulation)
- Cable dimensions (length and diameter)
- Connectors
- Certifications (e.g. IMDS, PPAP, IP rating)

Need more information?
Check out our
Sensor Academy!

RoHS compliant

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Document: 20003959432 Part 001 Version 03 I Status: 01/2024