

PY系列 - 聚合物外壳铂电阻温度传感器

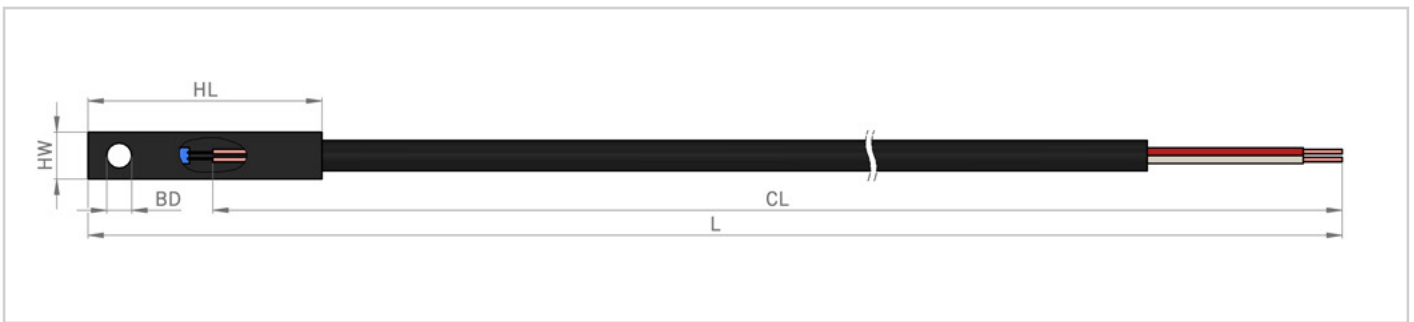
温度范围 -20 °C至 +110 °C

性能特征

- 理想的表面接触型传感器
- 可靠的聚合物外壳
- 耐磨护套电缆
- 易于安装在相应安装孔内
- 对大多数化学物质具有高度耐化学性
- 符合DIN EN IEC 60751

应用示例

- 光伏模块管理
- 暖通空调
- 数据采集系统
- 通用表面型传感



图片仅供参考

尺寸和材料

编号	产品类型	芯片电阻 R_0 [Ω]	尺寸和公差 (mm)					导线			产品料号
			HL	HW	CL	BD	L	线芯 (AWG)	绝缘	颜色	
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	白色/ 红色	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	白色/ 红色	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	白色/ 红色	5145162

PY系列 - 聚合物外壳铂电阻温度传感器

温度范围 -20 °C至 +110 °C

性能数据

编号	温度范围	响应时间 水流 (v = 0.4 m/s)		导体电阻 [Ω/m]	应用
		T0.5 [s]	T0.9 [s]		
1	-20 °C 至 +110 °C	11.5	32	0.08 ±10 %	多用途
2	-20 °C 至 +110 °C	11.5	32	0.08 ±10 %	多用途
3	-20 °C 至 +110 °C	11.5	32	0.08 ±10 %	多用途

温度系数

TCR = 3850 ppm/K

工作电流

Pt100 Ω: 0.3 至 1.0 mA

Pt1000 Ω: 0.1 至 0.3 mA

(必须考虑自加热)

自热系数 (元件)

0 °C 下 0.4K/mW

自定义选项

- 传感器芯片 (类型和电阻值)
- 导线材料 (线芯和绝缘)
- 导线尺寸 (长度和直径)
- 连接器
- 认证 (如IMDS、PPAP、IP防水等级)

如需了解更多信息，
请浏览我们的传感器学
院！



RoHS
compliant

The information provided in this data sheet describes certain technical characteristics of the product, but shall not be qualified or construed as quality guarantee (Beschaffensgarantie) in the meaning of sections 443 and 444 German Civil Code. The information provided in this data sheet regarding measurement values (including, but not limited to, response time, long-term stability, vibration and shock resistance, insulation resistance and self-heating) are average values that have been obtained under laboratory conditions in tests of large numbers of the product. Product results or measurements achieved by customer or any other person in any production, test, or other environment may vary depending on the specific conditions of use. YAGEO Nexensos does not recommend the use of standard catalogue products or automotive grades for aerospace applications or manned space flight. The customer is solely responsible to determine whether the product is suited for the customer's intended use; in this respect YAGEO Nexensos cannot assume any liability. The sale of any products by YAGEO Nexensos is exclusively subject to the General Terms of Sale and Delivery of YAGEO Nexensos in their current version at the time of purchase, which is available under www.yageo-nexensos.com/tc or may be furnished upon request. This data sheet is subject to changes without prior notice.

YAGEO Nexensos GmbH, Reinhard-Heraeus-Ring 23, 63801 Kleinostheim, Germany

YAGEO Nexensos GmbH, Germany

网址: www.yageo-nexensos.cn

邮箱: nexensos.china@yageo.com

Document: 20003959432 Part 002 Version 04 | Status: 11/2024

2页中的第2