

MT系列 - 金属封装铂电阻温度传感器

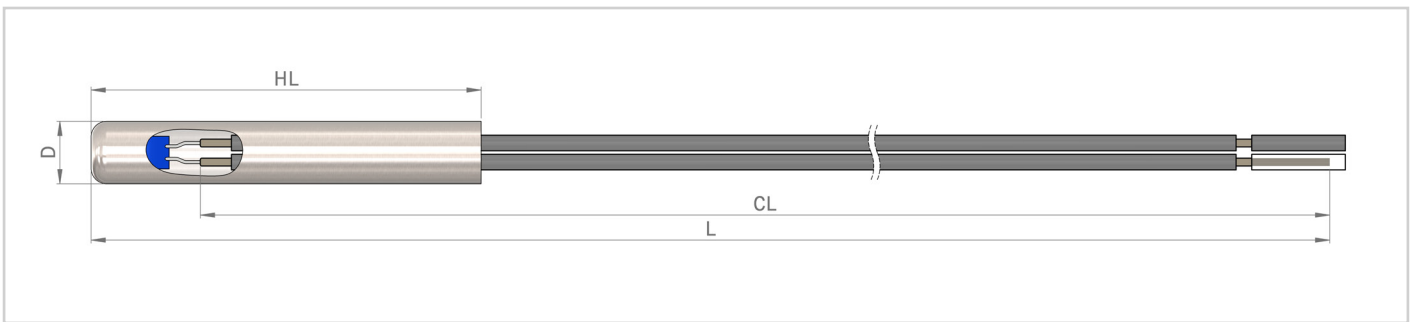
温度范围 -40 °C至 +500 °C

性能特征

- 可靠的不锈钢外壳
- 理想的导热系数
- 对大多数化学物质具有高度耐化学性
- 符合DIN EN 60751

应用示例

- 过程工业
- 色谱仪
- 暖通空调
- 高温传感



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 | D | CL | L | 线芯 (AWG) | 绝缘 | 颜色 | |
| 1 | MT2060-C | Pt100 / F 0.1 | 20 ± 0.2 | 6 d10 | 320 ± 10 | 320 ± 10 | 24/01 Ni | 玻璃纤维 | 白色 | 30500109 |
| 2 | MT2060-C | Pt1000 / F 0.1 | 20 ± 0.2 | 6 d10 | 320 ± 10 | 320 ± 10 | 24/01 Ni | 玻璃纤维 | 白色 | 31500989 |

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性能数据

| 编号 | 温度范围 | 介电强度AC (外壳) | 响应时间 水流 (v = 0.4 m/s) | | 拉力 [N] | 导体电阻 [Ω/m] | 应用 |
|----|-----------------|----------------|--------------------------|----------|-----------|---------------|-----|
| | | | T0.5 [s] | T0.9 [s] | | | |
| 1 | -40 °C至 +500 °C | 500 V / 10 s | 3.2 | 9.6 | > 88 | 0.48 ± 10 % | 多用途 |
| 2 | -40 °C至 +500 °C | 500 V / 10 s | 3.2 | 9.6 | > 88 | 0.48 ± 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

- 所有外部尺寸
- 传感器芯片 (类型和电阻值)
- 导线材质 (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

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