

YF-T/B 100 系列

温度传感器/变送器



特性

- 输入信号: Pt100、Cu50、Pt1000
- 测量范围: -200... +850°C
- 测量精度: $\leq 0.2^{\circ}\text{C}$
- 重 复 性: 0.1%FS
- 环境温度: -40°C...+85°C
- 温度漂移: 0.008%FS /1°C
- 长期稳定性: $\leq 0.1^{\circ}\text{C}/\text{年}$ 或 0.05%/年

应用

描述

T/B100 系列型温度测量仪是集成了温度传感器和变送器的紧凑型温度计。它将温度传感器信号进行线性化处理, 输出与温度成线性比例关系的 4...20mA (两线制)的直流电流标准信号; 也可以直接输出 RTD 信号; 输出信号灵活多样, 可满足客户不同的需求。

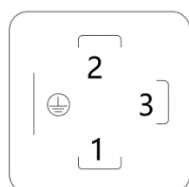
T/B100 系列温度计采用圆柱型的不锈钢外壳与紧凑型温度传感器的本体连接, 是一种简单又节省空间的设计方案, 由于体积小且测量精度高的特点, 在各种各样的领域应用时都有一个理想的解决方案。

该系列产品内部线路超低功耗设计, 大大降低了仪表工作时因元器件散热而产生的温漂, 提高了产品的长期稳定性, 延长了使用寿命; 量程范围轻松调整; 提高了测量精度和环境温度, 保证仪表在恶劣的环境下正常工作。

- 加热/通风/
- 空调/冷冻
- 水力/电力等工程
- 农业/温室/环境工程
- 食品/制药设备配套
- 机械制造/储存槽
- 压缩机/油压设备

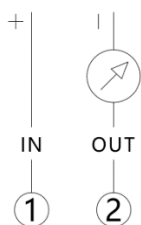
电气连接

DIN EN 赫斯曼接头

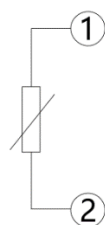


175301-803-A

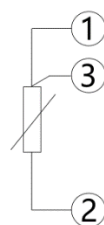
Power Supply



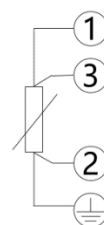
RTD 2-Wire



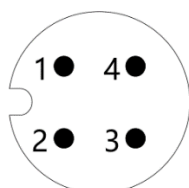
RTD 3-Wire



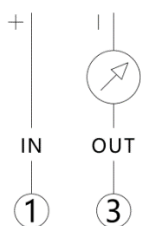
RTD 4-Wire



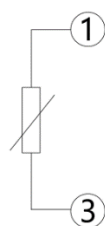
M12x1 信号连接器



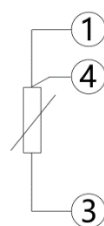
Power Supply



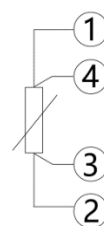
RTD 2-Wire



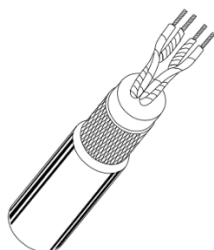
RTD 3-Wire



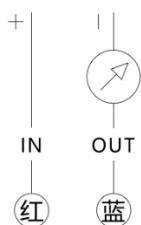
RTD 4-Wire



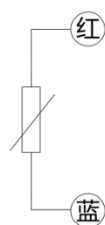
Cable 直接出线



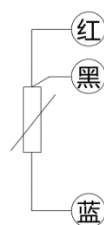
Power Supply



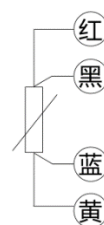
RTD 2-Wire



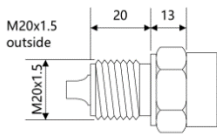
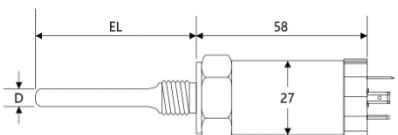
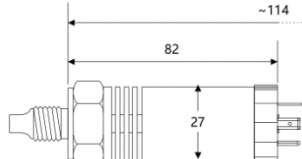
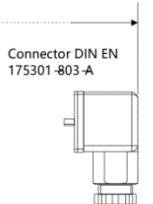
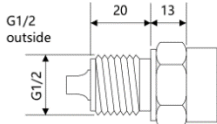
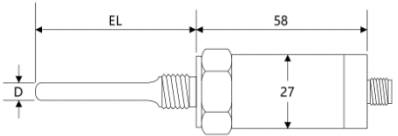
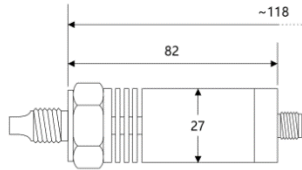
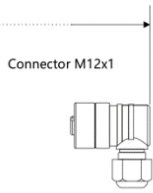
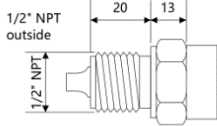
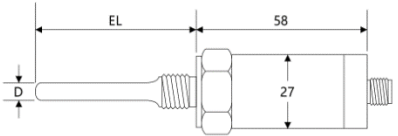
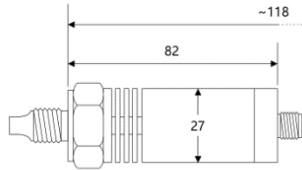
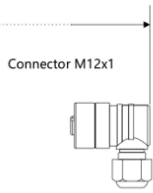
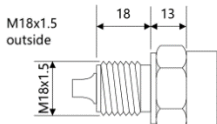
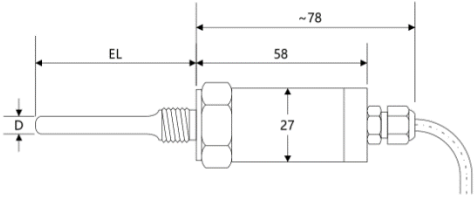
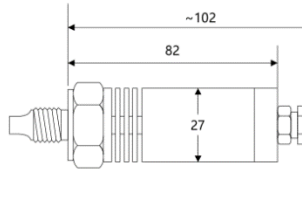
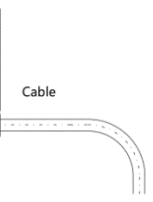
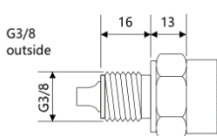
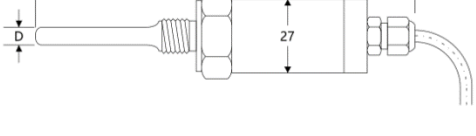
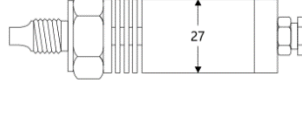
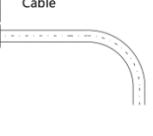
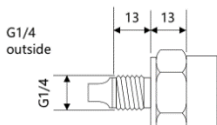
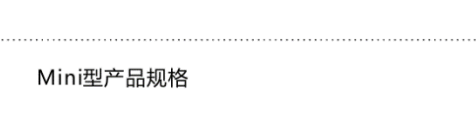
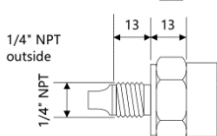
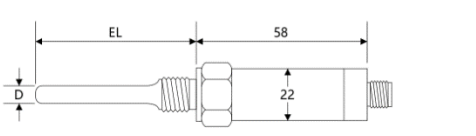
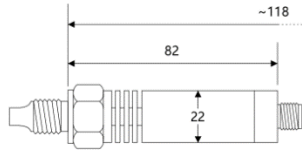
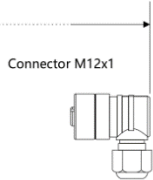
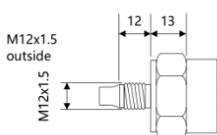
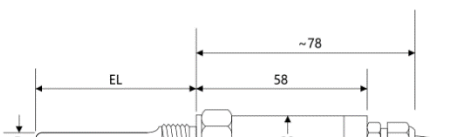
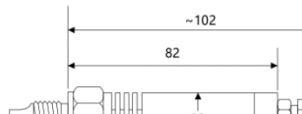
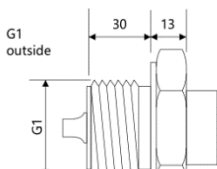
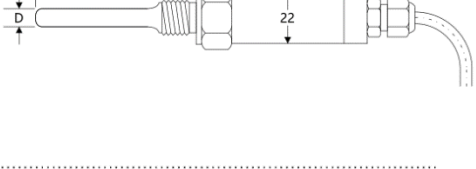
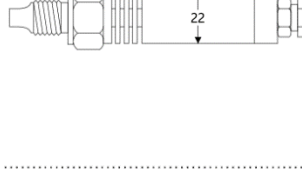
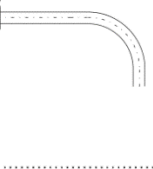
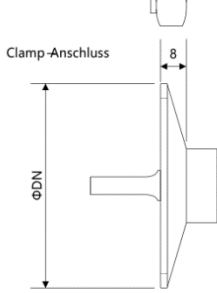
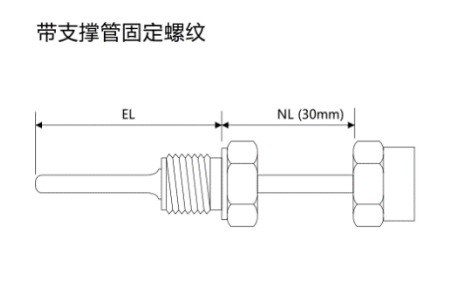
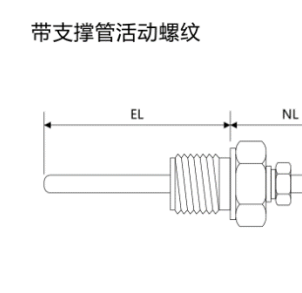
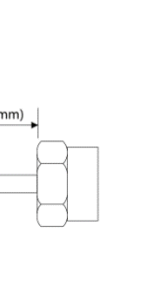
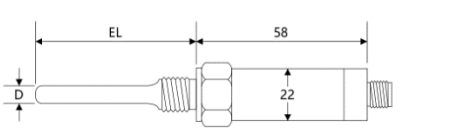
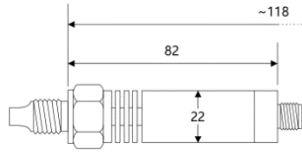
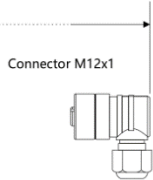
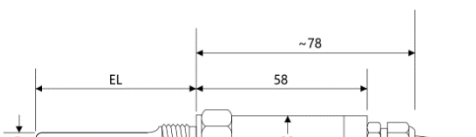
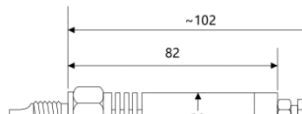
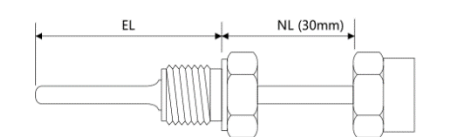
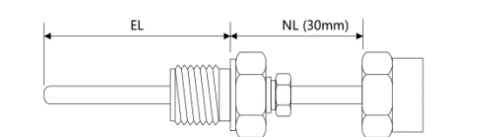
RTD 3-Wire



RTD 4-Wire



接方式及尺寸

连接过程	产品尺寸	带散热片产品尺寸	电气连接
 M20x1.5 outside			 Connector DIN EN 175301-803-A
 G1/2 outside			 Connector M12x1
 1/2" NPT outside			 Connector M12x1
 M18x1.5 outside			 Cable
 G3/8 outside			 Cable
 G1/4 outside			
 1/4" NPT outside			 Connector M12x1
 M12x1.5 outside			 Cable
 G1 outside			
 Clamp-Anschluss			
	Mini型产品规格		
			 Connector M12x1
			 Cable
	带支撑管固定螺纹	带支撑管活动螺纹	
			

产品选型

型号	T100 (温度传感器) / TB100 (温度变送器)								
	规格	A: 常规型 B: 带散热片型 高温型 C: 带支撑管型 高温型							
		传感器分度号	A: PT100 C: PT1000 X: 定制						
			量程	A: 0...50℃ B: 0...100℃ C: 0...150℃ D: 0...200℃ E: -50...0℃ F: -50...50℃ X: 定制					
			输出信号	A: 4-20mA 2: 2 线制热电阻 3: 3 线制热电阻 4: 4 线制热电阻					
				保护套管 (D) 6: φ6 不锈钢 8: φ8 不锈钢 X: 定制					
				插深 (EL) A: 50mm, B: 100mm C: 150mm, D: 200mm E: 250mm, X: 定制					
				过程连接 M1: M20*1.5, H: M12*1.5, D: M18*1.5 G2: G1/4, G3: G3/8, G4: G1/2, G5: G1 N2: NPT1/4 N4: NPT1/2 J: Clamp-Anschluss 卡箍型 X: 定制					
				电气连接 W1: 电缆型; W2: 赫斯曼型, W5: M12*1-4P 航空插头					
T100	A	A	B	A	6	B	M1	W1	厂商代码

备注:

1. 订购时请确认所需测量温度范围和信号类型。
2. 管及过程连接默认为不锈钢材质，若有特殊需求订货时请注明材质。
3. 所需量程不包含在现有产品中的，可以在订货时注明量程。
4. 颈长默认长度 30mm，若需要加减长度，请在订货时注明。

注意事项：

1. 安装前应首先核对选购仪表是否正确。
2. 电路接线请参考说明书中的应用指南。
3. 仪表安装完毕，必须检查接线，确认无误后方可投入使用。