

### SSM-T10

管路一体式温度传感器、变送器/Pipeline integrated temperature sensor and transmitter

- 测温范围/Measuring range : -50~350°C (pt100)
- 一体化防冷凝结构/Integrated anti-condensation structure
- 多种安装接口可选/Multiple Process connection optional
- 多种输出信号可选/ Multiple output signals optional
- 良好的热传导性/High thermal conductivity
- 重复性好/Superior repeatability
- 抗干扰能力强/Strong antiinterference ability



### 技术规格/Technique parameter

#### 产品性能/Product Performance

长期漂移/Long-Term Stability	±0.05%FS、0.1°C每年/year (取较大者/The bigger one )
精度/Accuracy	A级 (pt100)、±0.25%FS、±0.5%FS(可选/Optional) ±0.25%FS、±0.5%FS(变送器可选/Transmitter optional)
环境温度影响/Environmental Temp.Effect	≤ ±0.005%FS/°C 基准温度/Reference: 22°C
测试标准/Test criteria	GB/T30121/IEC60751
工作温度/Working Temp.	
非显示	-40°C~85°C
带显示/LED LCD	-20°C~70°C
响应时间/Response Time	t 0.9=10sec

#### 物理特征/Physical Characteristics

安装接口/Pressure Interface	参见订购指南/See Ordering Guide
保护管/Protection tube	
材质/Material	SS304、SS316L
直径/Diameter	6mm、8mm等/etc.
电气接口/Electrical Interface	参见订购指南/See Ordering Guide
外壳防护/Shell Protection	IP65/IP67
抗冲击/Shock	EC 68-2-6 procedure I
抗振动/Vibration	4g, 2-100Hz
重量/Weight	根据实际产品/According to physical object

#### 环境数据/Environmental Data

认证/Authentication	CE、RoHS
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## 特有技术规格/Specific technical specifications

### 电阻输出/Voltage Output

输出 (3线) /Output (3-wire)

最小0V至最大10V/Min 0V to max 10V

供电电压/Power Supply

高于满量程输出4V, 最大30Vdc

Over full range output 4V, max 30Vdc

### 电流输出/Current Output

输出 (2线) /Output (2-wire)

4-20mA (2线) /2-wire

供电电压/Power Supply

10-30Vdc

### 数字输出/Digital Output

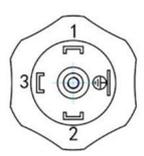
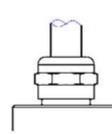
输出 (4线) /Output (4-wire)

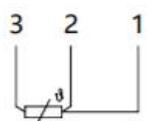
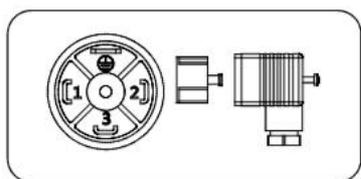
Modbus-RTU/RS485 (4线) /4-wire

供电电压/Power Supply

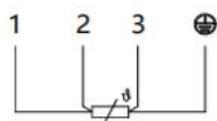
12-30Vdc

## 接线定义/Wiring Definition

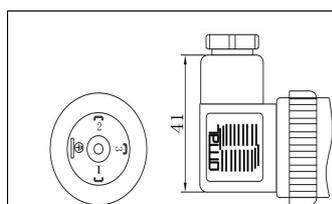
插件示意图 Plugin diagram	插件脚位 Foot position	线缆颜色 Cable color	电流输出 Current output	电压输出 Voltage Output	RS485 Modbus RTU
DIN 	1	红 (Red)	E+电源/Supply	E+电源/Supply	E+电源/Supply
	2	黑 (Black)	S+输出/Output	E-/S-共负/Com	E-电源/Supply
	3	蓝 (Blue)		S+输出/Output	RS485 A
		白 (White)			
直接出线 		红 (Red)	E+电源/Supply	E+电源/Supply	E+电源/Supply
		黑 (Black)	S+输出/Output	E-/S-共负/Com	E-电源/Supply
		蓝 (Blue)		S+输出/Output	RS485 A
		白 (White)			



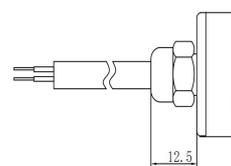
三线制



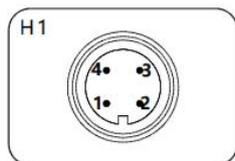
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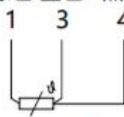
DIN43650 代码: 2D



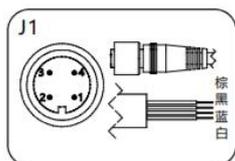
格兰引线/Glan lead 代码xE



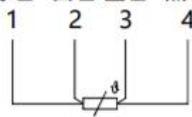
棕色 蓝色 黑色



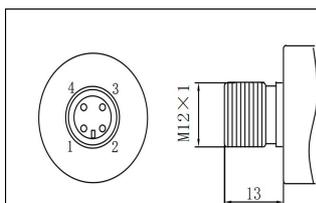
三线制



棕色 白色 蓝色 黑色

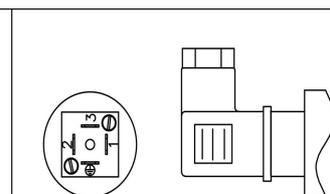


四线制



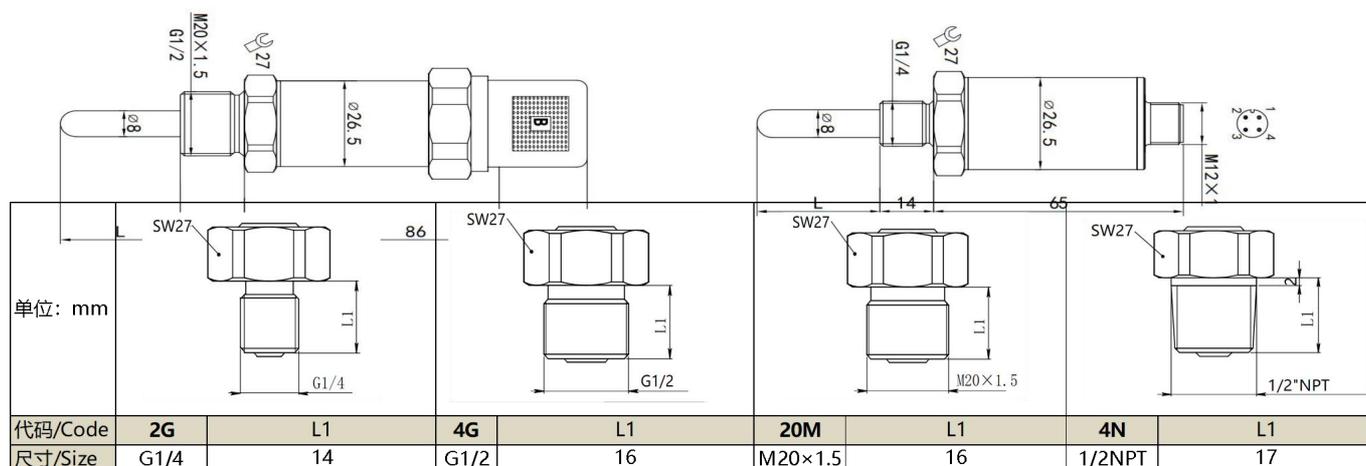
M12航空插件/M12 aviation plug-in

代码: 4P



工业连接器/Industrial connector 代码1D

## 外型尺寸/External dimensions



## 管路一体式温度传感器/变送器 (SSM-T10)

型号表示: SSM-T10-①-②-③/④/⑤-⑥⑦

系列号 Series	①输出信号 Output	②安装接口 Process connection	③探杆直径 Probe diameter	④探杆长度 Probe length	⑤冷端方式 Extension method	⑤温度范围 Range	⑥电气接口 Electrical connection	参数描述 Parameter description
SSM-T10	RTD 4A 4AX 10V	2G 4G 2N 4N XX *	6 10	25 50 100 XX *	50 5S 10S	空 (-50~0) (-50~50) (0~150) XX *	2D 4P	pt100三线制/3-wire 4-20mA两线制/2-wire 4-20mA+LCD显示/Display 0-10V三线制/3-wire  G1/4 G1/2 1/4NPT 1/2NPT 其他规格/Other *  Φ6mm Φ10mm  25mm 50mm 100mm 其他规格/Other *  125°C, 无散热装置/No radiator 150°C, 50mm冷端/Extension 150°C, 5片散热槽/5 radiators 200°C, 10片散热槽/10 radiators  pt100输出/Output (-50 ~ 0°C) (-50 ~ +50°C) (0 ~ 150°C) 其他规格/Other *  DIN43650赫斯曼/Hirschmann 四芯M12连接器/4pin

### 注意事项/Attention:

- 4PIN标配2米电缆线  
4PIN Standardized 2m Cable Line
- 带显示只能选配2D选项  
4AX LCD can only be selected with 2D
- 带 "\*" 号请联系技术人员  
With "\*", please contact the technician