

SSM-T21

卫生型温度传感器、变送器/Hygienic temperature sensor and transmitter

- 测量范围/Range: -50~400°C
- 卫生级设计/Hygienic design, conforms toEHEDG、FDA、GMP
- 符合CIP-SIP清洗要求/Complying with CIP-SIP cleaning requirements
- 多种安装接口可选/Multiple Process connection optional
- 多种输出信号可选/ Multiple output signals optional
- 多种电气连接方式/Multiple electrical connections
- 测量准确度高/High accuracy of measurement
- 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.Eff	≤ ±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
接液部件/Contact Parts	
材质/Material	SS304、SS316L包含安装接口/Contains process connection
保护管直径/Protection tube diame	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、Ex
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特有技术规格/Specific technical specifications

电阻输出/Resistance Output

输出 (3线) /Output (3-wire)	pt100 (3线)
输出 (4线) /Output (4-wire)	pt100 (4线) 、 pt1000 (4线)

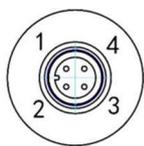
电流输出/Current Output

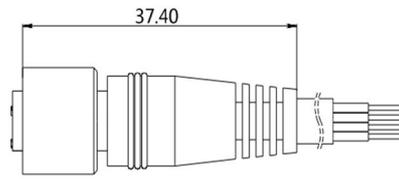
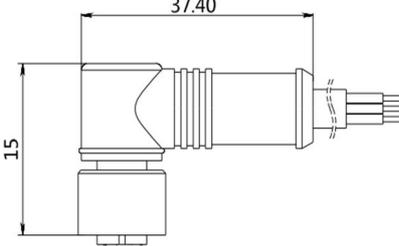
输出 (2线) /Output (2-wire)	4-20mA (2线) /2-wire 4-20mA+Hart (2线) /2-wire
供电电压/Power Supply	10-30Vdc

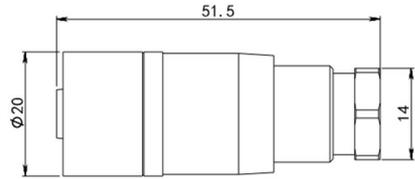
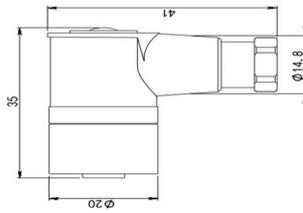
数字输出/Digital Output

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
	1	棕 (Brown)	E+电源/Supply	E+电源/Supply	E+电源/Supply
	2	白 (White)			RS485 B
	3	蓝 (Blue)	S+输出/Output	S+输出/Output	RS485 A
	4	黑 (Black)		E-/S-共负/Com	E-电源/Supply

	
M12四芯航空母插头直头 (注塑配线) 代码: 4P	M12四芯航空母插头弯头 (注塑配线) 代码: 4PW
Straight head of M12 four core aviation bus plug (injection line)	M12 four core aviation bus plug elbow (injection line)

	
M12四芯航空母插头直头 (无配线) 代码: 4P	M12四芯航空母插头弯头 (无配线) 代码: 4PW
Straight head of M12 four core aviation bus plug (without wiring)	M12 four core aviation bus plug elbow (without wiring)

外壳类型/Housing type



(FJ) 防溅接线盒/Splash-proof Box

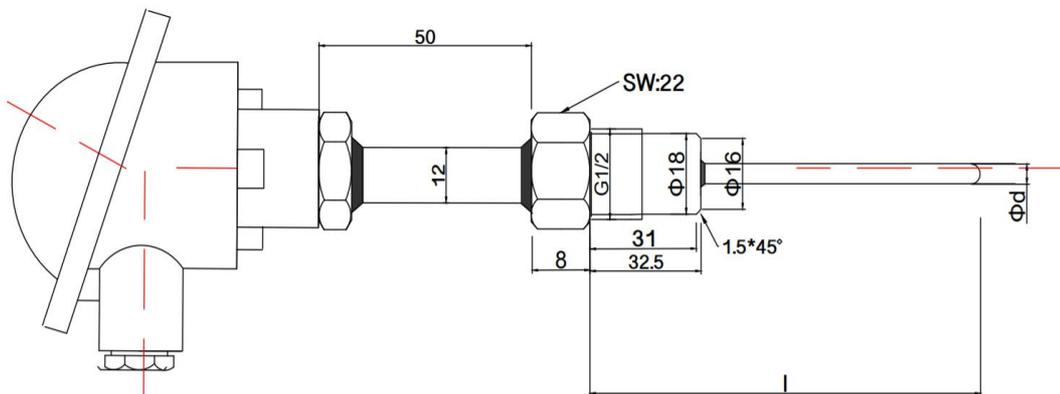
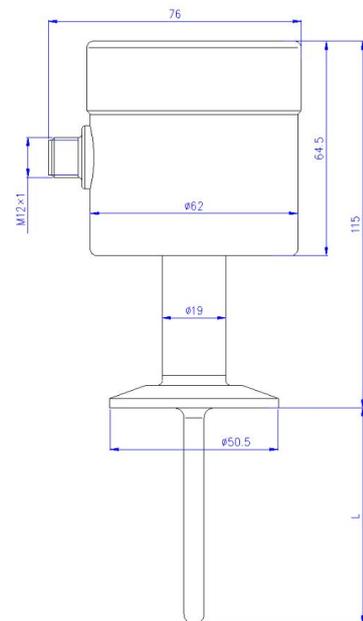
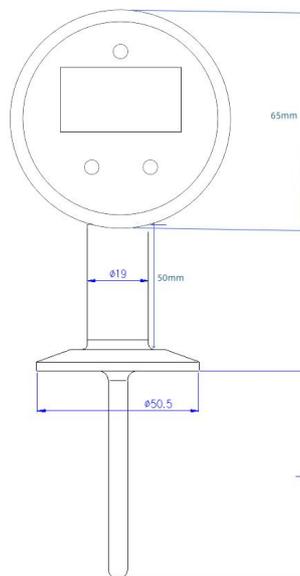
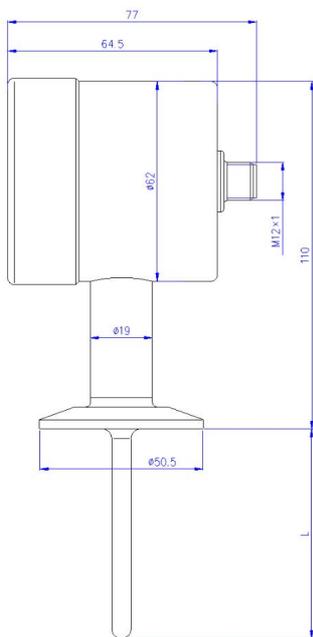


(3J) 径向钢外壳/Radial Steel Shell



(3Z) 轴向钢外壳/Axial Steel Shell

外型尺寸/External dimensions



(4GH) G1/2 卫生型硬密封/ Sanitary Hard Seal

单位: mm	卡箍/Tri-Clamp		卡箍/Tri-Clamp		卡箍/Tri-Clamp		卡箍/Tri-Clamp	
代码/Code	0TC	D	1TC	D	1.5TC	D	2TC	D
尺寸/Size	1/2 "	25.4	1"	50.5	1-1/2"	50.5	2"	64

卫生型温度传感器/变送器 (SSM-T21)

型号表示: SSM-T21-①-②-③/④/⑤-⑥⑦⑧

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冷端长度 Extension length	⑥温度范围 Range	⑦外壳类型 Shell type	⑧电气接口 Electrical connection	参数描述 Parameter description
SSM-T21	RTD 4A 4AX 4HX 5CX								pt100三线制/3-wire 4-20mA两线制/2-wire 4-20mA+LCD显示/Display 4-20mA+hart显示/Display RS485+LCD显示/Display
		4GH 0TC 1.5TC 2TC XX *							G1/2卫生型/Hygienic type 1/2"卡箍/clamp 1-1/2"卡箍/clamp 2"卡箍/clamp 其他规格/Other *
			6 XX *						Φ6mm 其他规格/Other *
				25 50 100 XX *					25mm 50mm 100mm 其他规格/Other *
					0 25 50				无冷端/No Extension 25mm 50mm
						空 (-50~50) (0~150) XX *			pt100标准/Standard (-50 ~ +50°C) (0 ~ 150°C) 其他规格/Other *
							FJ 3Z 3J		防溅接线盒/Splash-proof Box 轴向钢外壳/Axial Steel Shell 径向钢外壳/Radial Steel Shell
								4P	标准/Standard 四芯M12连接器/4pin

注意事项/Attention:

- FJ不能选配4P选项
FJ is not optional with 4P
- 4PIN标配2米电缆线
4PIN Standardized 2m Cable Line
- 带显示不选配FJ选项
4AX、4HX、5CX is not optional with FJ
- 带 "*" 号请联系技术人员
With "*", please contact the technician