

MTS130X Series Intelligent Digital Temperature Switch

MAIN FEATURES

- The current temperature value is displayed in 4 digits.
- Temperature preset switching point and delay switching output
- The shell is equipped with node action led for easy observation
- Key adjustment and field setting of various parameters
- 1-2 channels of switching value output, with load capacity of 1.2A, the switching value can be arbitrarily set between zero point and full degree
- The switch can be PNP type, NPN type and relay type, and the analog output (4-20mA) can be selected



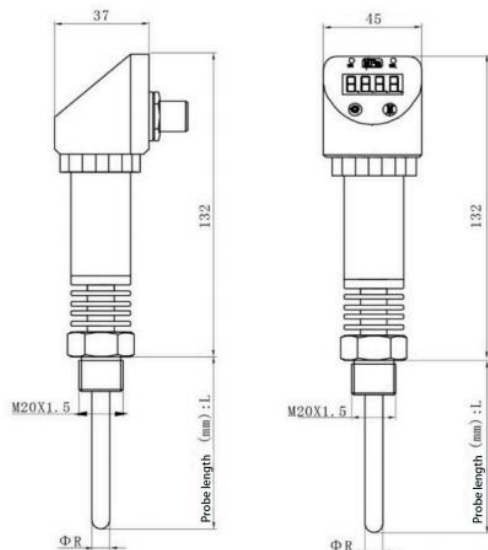
OVERVIEW

MTS130X Series digital temperature switch is an intelligent digital temperature measurement and control product that integrates temperature measurement, display, output and control. The product is of full electronic structure. The front end adopts the temperature sensor or ceramic piezoresistive sensor with isolation membrane filling oil pressure. The output signal is amplified and processed by the amplifier with high precision and low temperature drift, sent to the high precision A / D converter, converted into the digital signal that can be processed by the microprocessor. The signal processed by operation controls two-way switches to measure and control the temperature of the control system. The product is flexible in use, simple in operation, easy in debugging, safe and reliable. It is widely used in hydropower, tap water, petroleum, chemical, mechanical, hydraulic and other industries to measure, display and control the temperature of fluid medium.

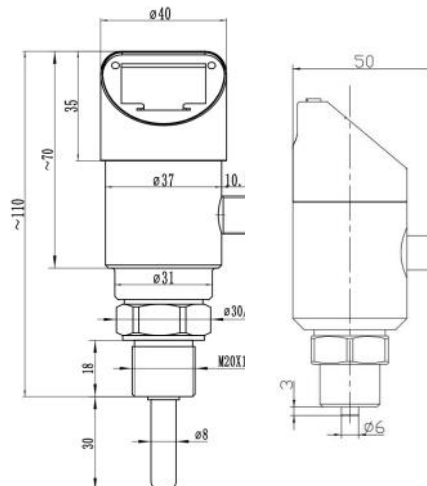
SPECIFICATION

Items	Model: MT1300/1301/1304	Model: MT1302	Model: MT1303
Control range	0~150°C	0~150°C	-40~500°C
Control Accuracy	≤±0.5%FS		
Display accuracy	±0.1%FS		
Stability	≤0.5% /year	≤0.2% /year	≤0.2% /year
Power range	13-30VDC	24V±20 %	24V±20 %
Load capacity	<24V1.2A		
Display range	-999.9~9999.9	-1999~9999	-1999~9999
Maximum power	< 12mA	< 1W	< 1W
Switch life	>1million times		
Protect grade	IP65		
Medium temperature	-40°C~85°C	-20°C~80°C	-20°C~80°C
Switch output	2 switch quantity & 1analog	PNP	PNP,NPN or customized
Display mode	OLED/LED	4-digit LED	4-digit LED
Response time	< 5ms	< 4ms	< 5ms
Electric connection	M12*1	Hessmann 4PIN, M12*1-4P, M12*1-5P	

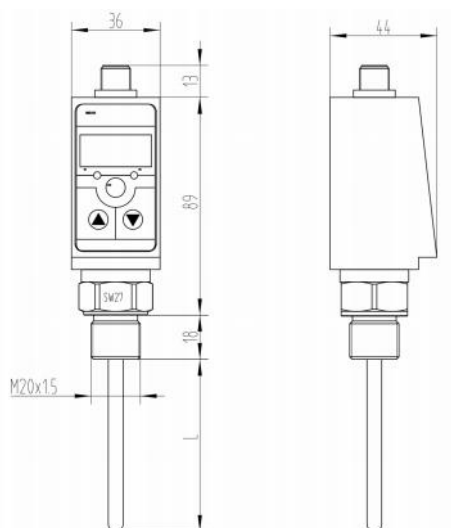
TYPICAL DIMENSION



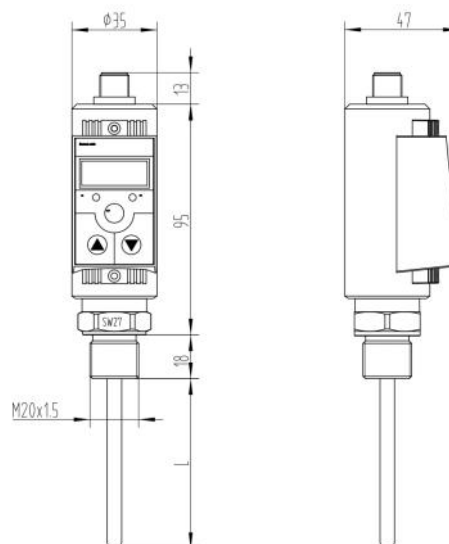
MTS1300



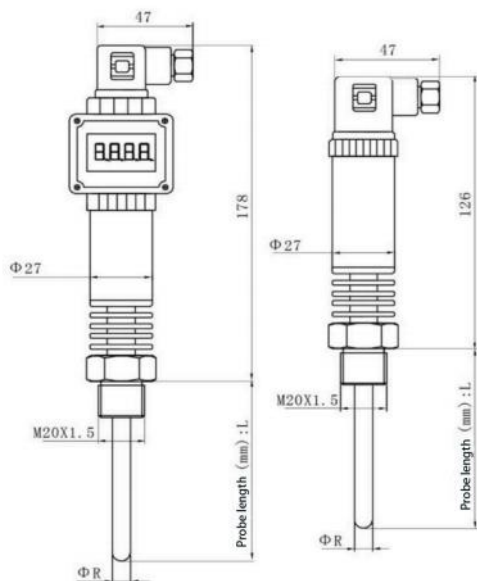
MTS1301



MTS1302



MTS1303



MTS1304

ORDER CODE

Code:	A	–	B	–	C	–	D	–	E	–	F	–	G
MTS	A	–	G	–	0-50bar	–	S	–	L	–	G 1/2	–	R

Model Type	Code A
1300	1300
1301	1301
1302	1302
1303	1303
1304	1304
More	C
Electric connection	Code B
4PIN	A
5PIN	B
Other customized	C
Temperature Range	Code C
0~100°C	D
More customized	C
Accuracy	Code D
0.1% (custom)	C
0.25%(custom)	T
0.5%(typical)	S
Interface material	Code E
316L	L
Other customized	C

Process connection	Code F
M22*1.5	M22
G1/2	G1/2
M20*1.5	M20
M18*1.5	M18
G3/8	G3/8
M16*1.5	M16
M14*1.5	M14
G1/4	G1/4
M12*1	M12
M10*1	M10
G1/8	G1/8
1/2NPT	1/2NPT
1/2PT	1/2PT
3/8PT	3/8PT
3/8NPT	3/8NPT
1/4NPT	1/4NPT
1/4PT	1/4PT
1/8NPT	1/8NPT
Setting range	Code G
Relay output	R
Relay output +4mA~20mA	R4
PNP	P
NPN	N

ELECTRIC CONNECTION

Hessmann	M12*1 -4P	M12*1 -5P	5-pin aviation connector
	