

MD-TB EXPLOSION-PROOF TEMPERATURE TRANSMITTER

TECHNICAL CHARACTERISTICS:

- ✓ Anti-explosion power connection box, compact Structure and small dimension
- ✓ Dial switch design, multi-temperature range can be set
- ✓ Lighting protection and anti-electrical fast transient (pulse group) interference circuit board design
- ✓ IP 65 waterproof design
- ✓ 4~20mA output, strong anti-interference design



The MD-TB explosion-proof temperature transmitter is a dial switch intelligent temperature transmitter, Built-in imported PT100 high-precision temperature sensor, equipped with digital DIP switch intelligent temperature transmitter circuit board, input and output isolation design.

This temperature transmitter adopts the circuit design of lighting protection and anti-electrical fast transient (pulse group) interference. It has the lighting protection function which the lightning protection index reaches the induction lightning(\leq iA4000V) for 5 times continuously without damage to the equipment. Input and output are capable of resisting iA4000V interference from electrical fast transients (pulse group). This product can effectively protect the damage due to induction lightning or start and stop of the high power facility in the power supply system, circuit fault, the operation of inverter equipment and electric welder in the construction site etc. This product can effectively prevent damage caused by induction lightning or start-stop of high-power equipment in the power supply system, line failures, switching operations, operation of frequency conversion equipment, and welding machines during field construction

Users only need a screwdriver to dial the DIP switch and adjust the range of the temperature transmitter in the field, which greatly shortens the operating time, simple operation and easy to use.

APPLICATION:

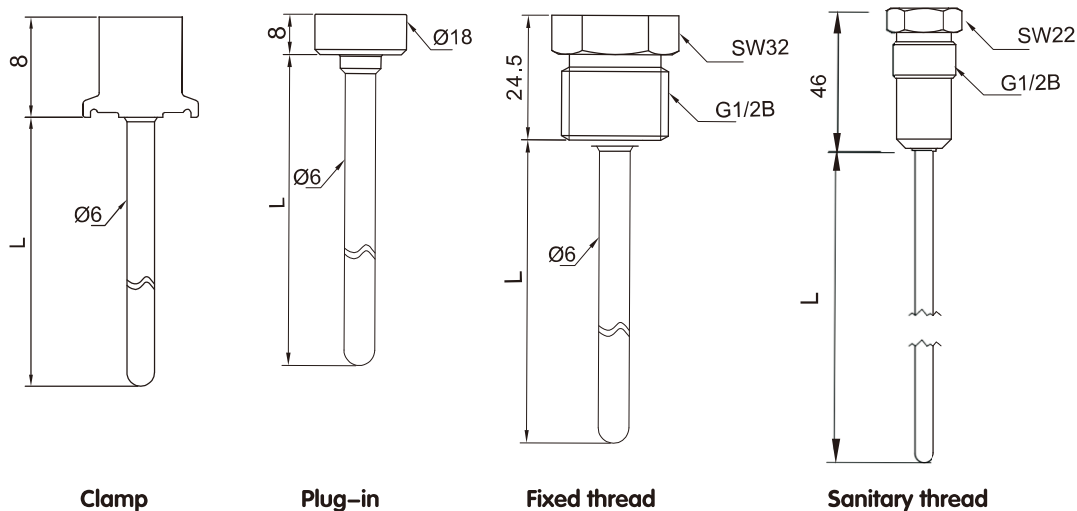
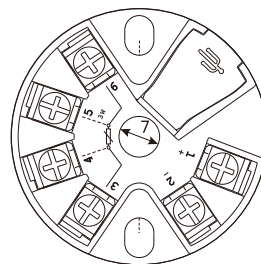
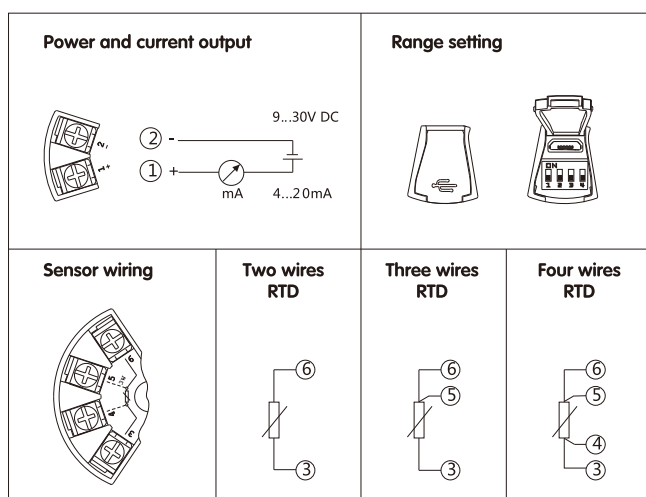
- ◇ Instrumentation supporting
- ◇ Laboratory
- ◇ Construction machinery
- ◇ Automatic production line
- ◇ Petrochemical
- ◇ Environmental monitoring

SPECIFICATION:

Range	-200~500℃
Acc.	0.2℃
Output	4~20mA
Limit current	<25mA
Power supply	9~30V (Typical 24VDC)
Response time	1 second
Temperature drift coefficient	0.008%FS/1℃ (Typical value)
Environment temperature	-40~85℃
Lightning protection	4000V (\leq 5 times)
Anti-pulse group	4000V
Anti-radio frequency interference	>10V/m (80MHz~1000MHz)
Probe diameter	6mm (customized)
Connection	G1/4 M20*1.5 (customized)
Connector material	316L
Shell material	316L
Measurement Medium	Gas or liquid compatible with 316L
IP rating	IP 65
Outlet method	Straight out
Product protection	Reverse polarity protection

DIMENSION:

UNIT:mm


ELECTRICAL CONNECTION:


Terminals wiring

SELECTION GUIDE:
