

Temperature Sensor



Temperature Sensor

- Suitable for small pipe diameters and confined spaces
- Fast response time
- Different probe diameter and length optional

P,M-02

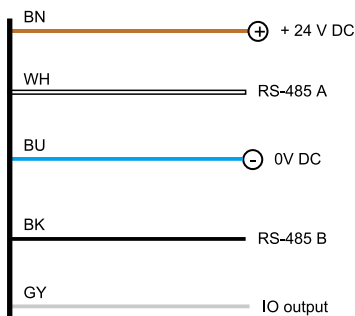


Sensing range	-30°C ~ 150°C	
Output mode	NPN or PNP open collector	
Measuring component	1 × Pt1000	
Medium	Liquid and gaseous media	
Operating Voltage	10-30V DC	
Current consumption	<25mA	
Load current	< 150mA	
Circuit protection	Reverse polarity protection / surge protection / short circuit protection	
Communication Interface	RS-485	
Protocol	ModBus RTU	
Output accuracy	± 0.5% (FS)	
Resolution (°C)	0.1	
Response time T05/T09	<3(s)/<8(s)	
Ambient temperature	Operating temperature: -25°C ~ 80°C, storage temperature: -20°C ~ 70°C	
Ambient humidity	35~90% RH, RH, storage: 35~90% RH	
Insulation withstand voltage	± 1000V 50/60Hz 60s	
Static electricity	± 4000V	
Group pulse	± 2000V 50KHz	
Anti-vibration	10~50Hz, 0.5mm amplitude, 2 hours each in X, Y, Z directions	
Degree of protection	IP67	
Housing material	SUS 316L	
Connection	5-core cable	
Probe diameter	6mm	
Probe length	25mm	100mm
Model No.	TSP-30150D-25	TSP-30150D-100

- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Vibration
- Temperature
- Annexes

- Guidance**
- Temperature Sensor

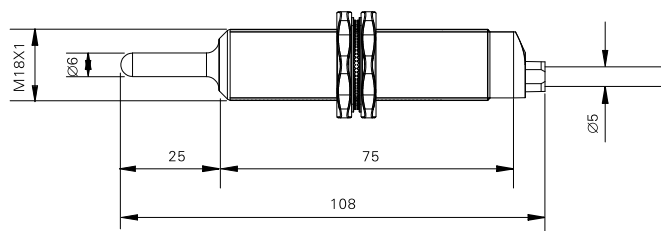
Circuit Diagram



Dimensions

Unit: mm

TSP-30150D-25



TSP-30150D-100

