



Sensing range	-30℃ ~ 150℃	
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 (℃)	0.1	
Response time T05/T09	<3(s)/<8(s)	
Ambient temperature	Operating temperature: -25℃ ~ 80℃,storage temperature: -20℃ ~ 70℃	
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.	X TSP-30150D-25	X TSP-30150D-100

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

## Dimensions

Unit: mm

