

Features

- Accurate temperature measurement
- Integrated structure
- Fast response
- Long-term stable work
- Convenient on-site connection
- Simple operation

Applications and industries

- Equipment supporting
- Process control fields in industries, such as petroleum, chemical, metallurgy, electricity, food, papermaking, pharmaceuticals, machinery manufacturing, scientific experiments, and aviation & military applications
- Temperature measurement for water or oil in the fields of petroleum, chemical industry, electric power, light textile, environmental protection, etc.

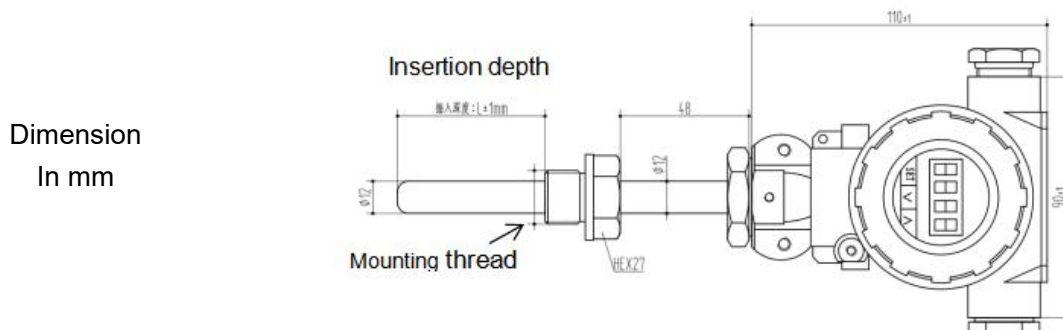


Product overview

ETT68 Explosion-proof Temperature Transmitter measures the temperature of the measured medium by using the feature that the platinum resistance value varies with temperature and shows a certain functional relationship. This product adopts the high-precision thermoelectric couple and thermal resistance as the detecting elements, uses the high stability circuit for the signal processing, realizes the continuous measurement for the temperature, outputs the industrial control standard signal, and can realize the functions such as display, remote transmission etc. simultaneously

The temperature measurement part of the product adopts all stainless steel integration processing technology, and the connecting box adopts explosion-proof housing; the product has the features of strong shock resistance, quick thermal response etc.; the wire adopts the special shielded cable, with wide usage temperature range; this product is easy to install, and applicable to be used in all kinds of automatic control systems for temperature measurement

Appearance structure



Performance parameters

Pressure range	-50℃～250℃			
Supply & output	4～20mA (16～36VDC), 4～20mA@HART protocol (16～36VDC)			
Accuracy	±0.5%FS			
Sensitive element	Pt100 Grade A			
Insulation strength	100MΩ/250VDC			
Response time	Water 0.2m/s		Air 1m/s	
Placement diameter:	t0.5	t0.9	t0.5	t0.9
Φ12mm	10S	35S	95S	310S
Long-term stability	≤0.2%FS/year			
Placement diameter	Φ12mm			
Ambient temperature	-20℃～85℃			
Electrical connection	Aluminum housing			
Protection grade	IP65			
Maximum mounting torque	25Nm			
Ex-proof grade	Exd IIC T6 Gb			
Probe material	304			

ELITE reserves the right to make any change in this publication without notice. The information provided is believed to be accurate and reliable as of this product sheet.

How to order information please contact: sales@elite-instruments.com