

SM39TCRD Wired digital temperature transmitter

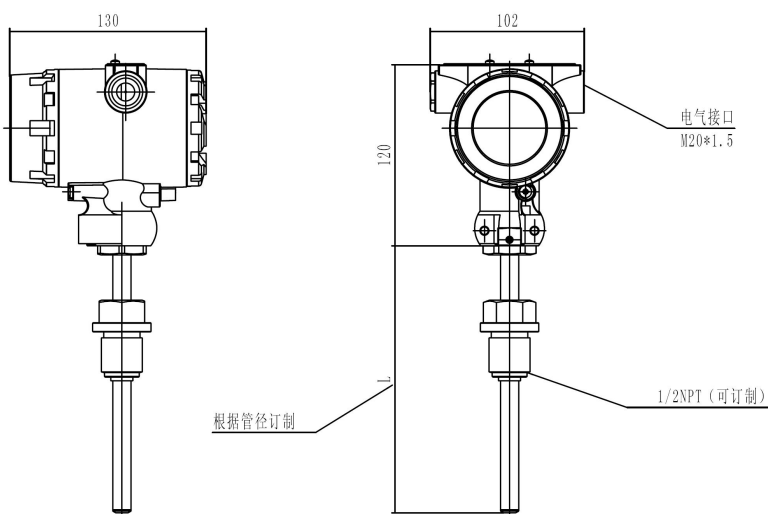
Description

The SM39TCRD wired temperature sensor has a stainless-steel probe and an aluminum explosion-proof junction box, and is widely used for temperature measurement in thermal engineering, power, food, pharmaceutical, pressure vessel, petrochemical and other process industries, as well as in large equipment such as ovens, plastic and fiber machines, and refrigeration units.

Characteristics:

- Imported Pt100 element for fast response;
- customizable shape;
- 0 - 200 ° C range (made-to-order);
- requires pipe drilling/welding and pre-installing a 1/4" threaded thermowell or boss;
- terminal block inside junction box for quick wiring;
- explosion-proof design fully compliant with GB 3836.1-2000, GB 3836.2-2000, and GB 3836.4-2000.

Dimensions (In mm. 1mm=0.03937 inches)



Circuit Diagram :

- (1) RS485: Pin 1 - V+, Pin 2 - V-, Pin 3 - 485_A, Pin 4 - 485_B.
- (2) 4 - 20 mA: Pins 5 & 6; power and signal are polarity-free.



Specification :

Type	Technical parameters
Nominal load range	-200~ 600℃
output signal	Zigbee
Class precision	0.5%FS
Zero Balance	≤0.1%FS
Power supply	24 VDC
Effect of temperature	0.3%FS/10℃
Operating temperature	-40℃≤Tamb≤+65℃
Protection type	IP67 (IEC60529)
Pressure interface	NPT1/2" (M) 、 R1/2" (M) 、 M20*1.5(M)
explosion-proof sign	Ex d IIC T4 Gb
Explosion-proof number	CE13.1220
Power supply	24 VDC