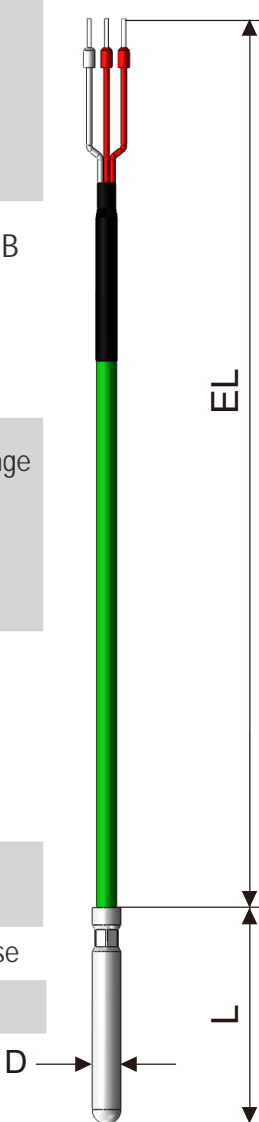


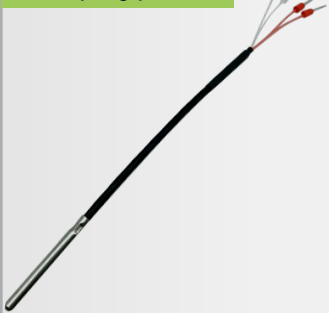
# INDUSTRIAL TEMPERATURE SENSOR

## 01 Straight tube sealed probe temperature sensor

A stainless steel tube (or other specified metal material) is used to seal the temperature sensing element inside and lead out wires to protect the temperature sensing element. It is commonly used in humid, liquid, dusty, corrosive, extruded and normal working environments. It is the most common encapsulation form of temperature sensors.

No.	Parameters	Specification	Product diagram
1	Index No.	Platinum resistance: pt100, pt1000, pt500, pt200 Thermocouple: K/J/N/E/S/T/R/B Thermistor: 5K, 10K, 100K, 50K, 2.2K DS18B20	
2	Accuracy	Platinum resistance: Class A, Class B, 1/3 Class B Thermocouple: Class I, Class II Thermistor: 1%, 2%, 3% DS18B20: None	
3	Temperature range	Platinum resistance: Specify within -200~850°C range Thermocouple: Specify within -280~1820°C range Thermistor: Specify within -50~300°C range DS18B20: Specify within -55~125°C range	
4	Wiring method	Platinum resistance: T = two-wire system; S = two-wire system; F = four-wire system Thermocouple: None Thermistor: None DS18B20: None	
5	Tail wiring mode	L=bare, U=U terminal, Z=needle terminal, Q=connector O=O terminal	
6	Anti-bending protection	W = no anti-bending protection; T = spring; R = hose	
7	Cable length EL (mm)	500, 1000, 2000 or specify	
8	Probe diameter D (mm)	2,3,4,5,6,8,10....20 or specify	
9	Probe length L (mm)	10~2000 or specify	

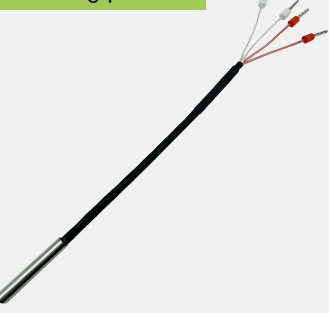
Crimping process



With anti-bending protection



Potting process



Brass housing

