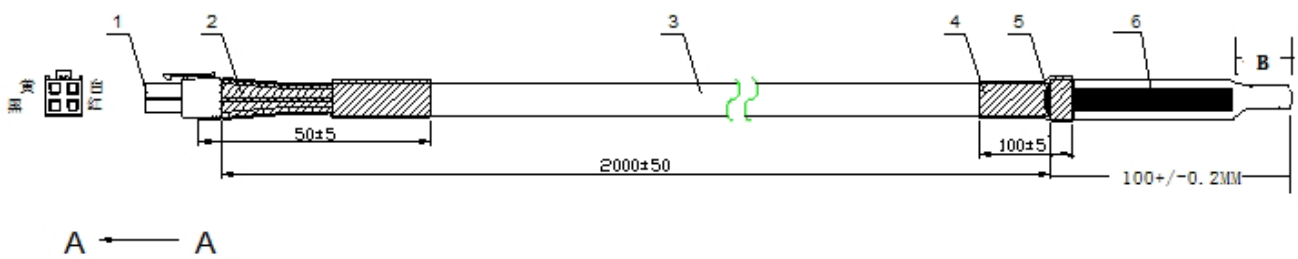


# Dimensions and specifications

## 1、Dimensions:

(Unit:mm)



## 2、Specifications

No	NAME	Specifications/Type	Quantity	Origin
1	Terminal / socket for	5556-RT/5557-4R Transparent color	4PCS/1PCS	CN
2	Heat shrinkable tube	$\Phi 12.7 \times 50\text{mm}$ Black	1PCS	CN
3	Signal cables	22AWG -30°C~100°C 300V black low temperature resistant (red core power supply, white core is connected to signal A, the yellow core is connected to signal B, and the black core is grounded)	1PCS	CN
4	Heat shrinkable tube	$\Phi 10.0 \times 70-100\text{mm}$ black inner rubber sealing tube	1PCS	CN
5	Epoxy	Black high purity resin	/	CN
6	Stainless steel shell	304 $\Phi 9.5 \times 100\text{mm}$	1PCS	CN
7	PCB	RS485 output temperature signal	1PCS	

## Mechanical Testing

No	Project	Test methods and conditions	Technical Requirements
a	Tensile test	Between the lead and the package loaded 19.6N (2KGF) weight for 10 seconds.	Sensor package and wire bonding at no deformation, no damage; electrical performance without exceptions
b	Landing test	1 m height, When the product free fall, falling to 10mm thick oak boards, three times.	Sensor package and wire bonding at no deformation, no damage; electrical performance without exceptions
c	Vibration test	Vibration frequency 20-200Hz, up and down vibration four hours, four hours of vibration level	Sensor package and wire bonding at no deformation, no damage; electrical performance without exceptions

## Reliability Test

No	Project	Test methods and conditions	Technical Requirements
a	Hot test	Place the product within $70 \pm 5$ °C temperature conditions of constant temperature oven, power 1000 +24 h,	( $\Delta R$ , $\Delta B$ ) the rate of change is less than $\pm 3\%$
b	Low test	The product is placed in a temperature of $-20 \pm 5$ °C incubator conditions, power 1000 +24 h,	( $\Delta R$ , $\Delta B$ ) the rate of change is less than $\pm 3\%$
c	Constant temperature water immersion test	Place the product in water at a room temperature of 25 degrees, with a water depth of 30CM, Power on for 1000+24h,	( $\Delta R$ , $\Delta B$ ) the rate of change is less than $\pm 3\%$
d	Protection level	IP67	
e	Salt spray test	Apply 5% salt spray to the stainless steel housing of the sensor for 24h	There is no obvious rust on the stainless steel shell