

AHT2415C Temperature and Humidity Probe



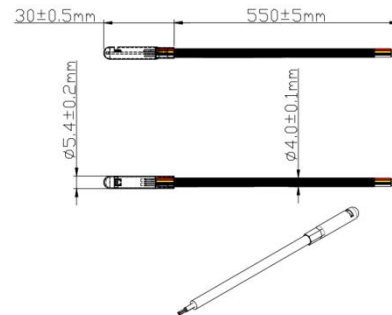
1. Product Summary

AHT2415C temperature and humidity probe adopts an integrated digital temperature and humidity chip, which outputs standard I²C signals and calibrated before delivery. The sensor Filter Membrane can effectively prevent the interference by water vapor and dust; Sensor wire length 550mm (±5), and offers customization options.

2. Features

- ◆ 304 stainless steel shell
- ◆ Excellent impact resistance, heat resistance, low temperature resistance, chemical resistance and electrical properties
- ◆ Fully calibrated
- ◆ Digital output, I²C interface
- ◆ Excellent long-term stability
- ◆ Quick response, fast recovery time, strong anti-interference ability

3. Dimension and Interface



Interface Definition:

Pin	Color	Definition
VCC	Red	Power (2.2~5.5V)
GND	Black	Ground
SCL	White	Serial Clock, bidirectional
SDA	Yellow	Serial data, bidirectional

4. Product Parameters

Operating Voltage	2.2~5.5V
Working Current	980μA (Typical)
Temperature Range	-30~80°C
Humidity Range	0~100%RH
Accuracy	±0.5°C; ±3%RH;
Typical Power	3.2mW
Interface	I ² C

5. Applications

AHT2415C is widely used in home appliances, medical, automotive, industrial, meteorology, security and other fields, such as: HVAC, dehumidifiers, refrigerators and dryers and other home appliances, security cameras, testing and testing equipment and other related temperature and humidity detection and control product.



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