

# Humidity and Temperature Module

- ✓ Fully calibrated
- ✓ I<sup>2</sup>C digital output
- ✓ Excellent long-term stability
- ✓ Fast-response and anti-interference capability



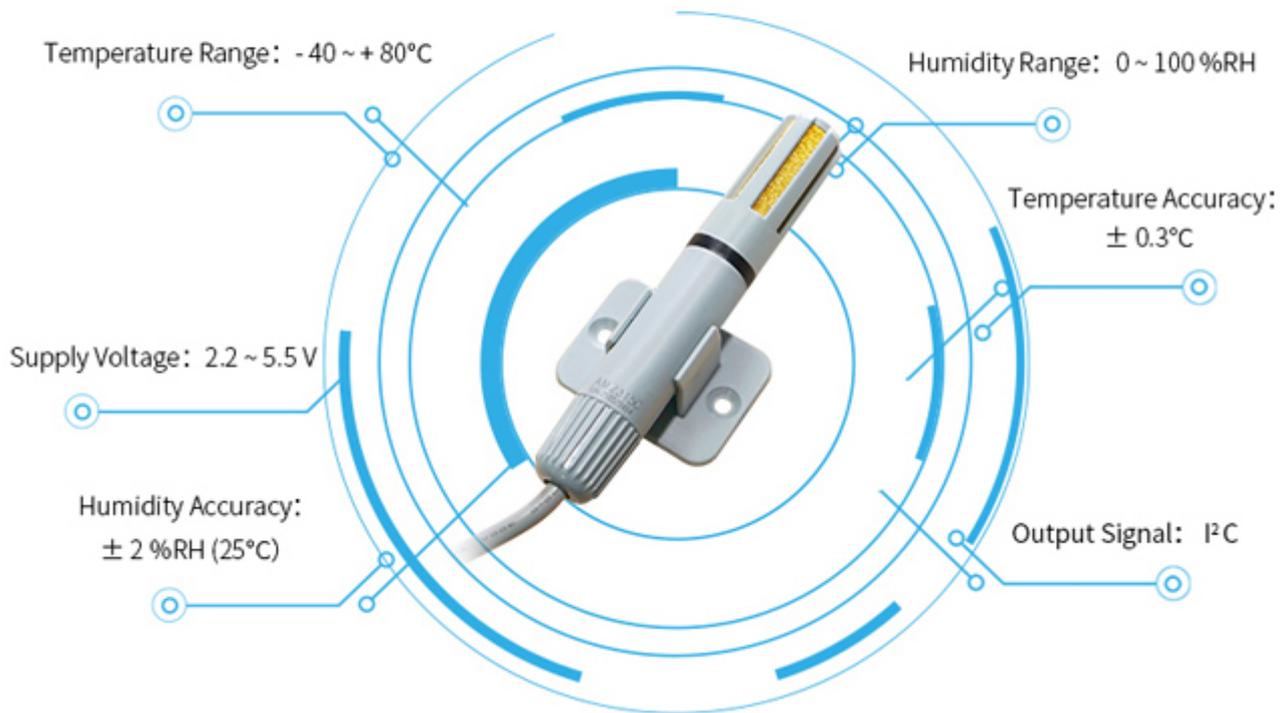
供电电压	DC 2.2-5.5V
工作温度	-40~+80°C
湿度范围	0~100%RH
温度精度	±0.3°C
湿度精度	±2%RH
分辨率	0.01%RH/0.024%RH
精度	±0.1°C/±0.1%RH
接口	I <sup>2</sup> C
外壳	ABS+PC

AM2315C 是一款基于 ASiC 工艺的 MEMS 湿度和温度传感器。它采用数字 I<sup>2</sup>C 接口，具有高精度、高稳定性和快速响应的特点。AM2315C 广泛应用于工业、农业、医疗和科研等领域。

## SPECIFICATIONS >>



ASIC chip, an improved MEMS capacitive humidity sensor and a temperature sensor. The performance and reliability have been greatly improved. The new generation sensor module has a more stable performance even in harsh environment.



规格书

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接口	I²C
应用	ABS+PC

产品特点

- 高精度
- 湿度精度 ±2%RH/±0.3°C
- 分辨率 I²C
- 供电电压 2.2~5.5V DC
- 接口 I²C
- 应用 ABS+PC

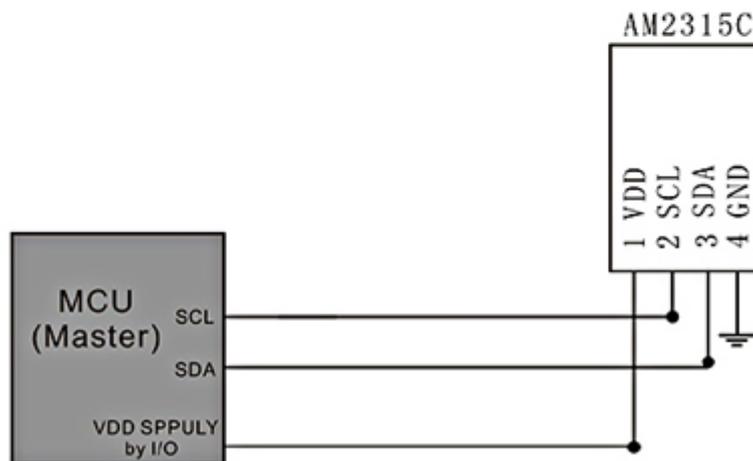
# APPLICATIONS >>

The AM2315C humidity and temperature sensor with digital I<sup>2</sup>C output. It can be used in HVAC, dehumidifier, testing and inspection equipment, consumer products, automobiles, automatic control, data loggers, weather stations, home appliances, humidity control, medical and other fields.



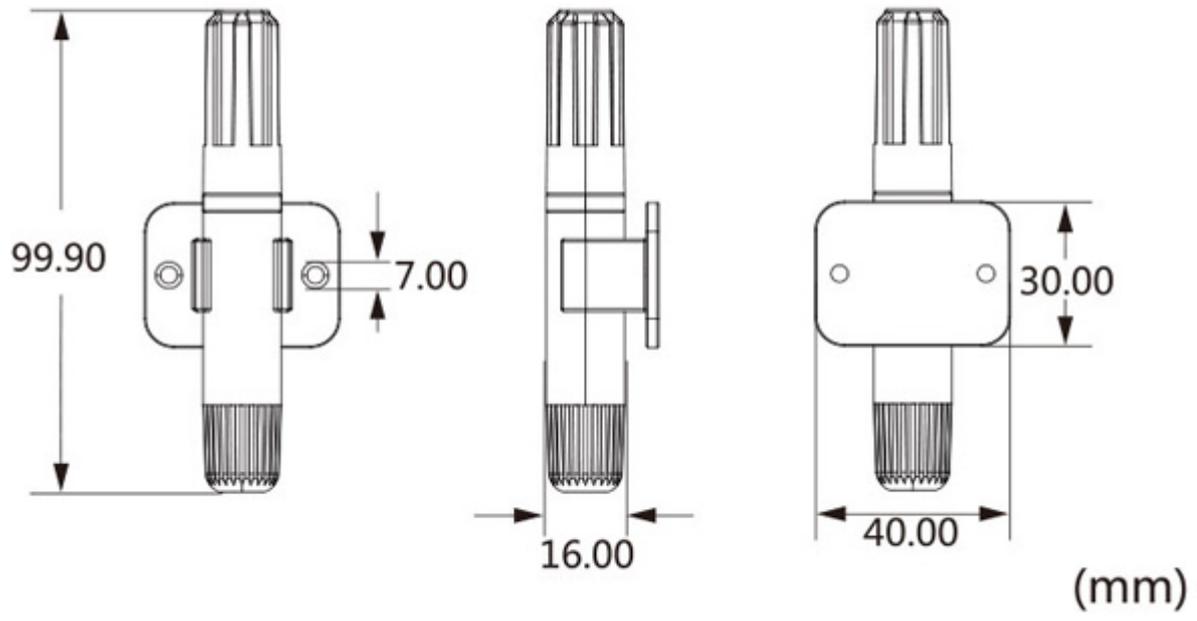
AM2315C 湿度和温度传感器，具有数字 I<sup>2</sup>C 输出。它可用于 HVAC、除湿器、测试和检测设备、消费品、汽车、自动控制、数据记录仪、天气站、家用电器、湿度控制、医疗和其他领域。

# INTERFACE DEFINITION >>



AM2315C Sensor pin definition

Pins	Name	Description
1 (Red)	VDD	Power supply(2.2V to 5.5V)
2 (White)	SCL	Serial Clock, Bidirectional Port
3 (Yellow)	SDA	Serial Data, Bidirectional Port
4 (Black)	GND	Ground





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send us inquiry



receive our quotation



negotiate details



mass production



sign contract / deposit



confirm the sample



cargo ready



balance / delivery



further cooperation

