

# SHT11 Sensor Probe Product Specifications



## Product Description

SHT11 RH & Temperature Sensor Probe consists of a SHT11 digital RH & Temperature sensor from Sensirion and a sintered copper protection housing. It is used to measure ambient relative humidity and temperature, the data can be transferred to host device via I2C communications. It works with any device supporting I2C comm. interface.

Applications of SHT11 Sensor Probe:

- High Accurate Relative Humidity and Temperature Measurement
- Harsh Industrial Environment
- Space limited area

## Specifications

<b>Product Identification</b>	
Product Name	SHT11 RH & Temperature Sensor Probe
Model	ASHT-11
<b>Internal Sensors</b>	
Manufacturer	Sensirion
Manufacturer Model	SHT11
Channels	Relative humidity (0 ~ 100% RH) Temperature (-40°C ~ 70°C, -40°F ~ 158°F)
Resolution	Temperature: 12-bit Relative Humidity: 12-bit
Accuracy	Temperature: +/- 0.4°C at 25°C Relative Humidity: +/-3% (20% ~ 80% RH)
Source Voltage	2.4 to 5.5 VDC, Typical: 3.3 VDC
Communication	Digital 2-wire interface: I2C
<b>Physical</b>	
Length	Three feet
Protection Housing	Sintered copper
Connection	Four open wires: Power, Ground, SCK, Data
<b>Others</b>	
Operating Environment	-40 ~ +70°C (-40°F ~ 158°F), 0~95%RH non-condensing.

Please refer to Sensirion for detailed specifications of SHT11 sensor.

Pin-out:

Color	Name
Yellow	SCK
Red	VDD
Black	GND
Green	Data