

# GHTS Temperature and humidity sensor

## Product Manual



### Description

GHTS temperature and humidity sensor adopts the original imported SHT series digital temperature and humidity chip, and the probe is made of high-quality stainless steel or engineering plastic, which is anti-corrosion and anti-oxidation; the chip pins are isolated by high-temperature heat shrinkable tubes to effectively prevent short circuits. The sensor supports I2C bus output, with strong overall anti-interference, high reliability, convenient data reading, and convenient communication with various back-end devices. It is widely used in temperature and humidity measurement in the range of -40 ~ +125°C and 0 ~ 100%RH.

### Features

- Original imported chip
- High accuracy
- Fast response
- Good repeatability
- I2C digital output
- Wide power supply



### Application

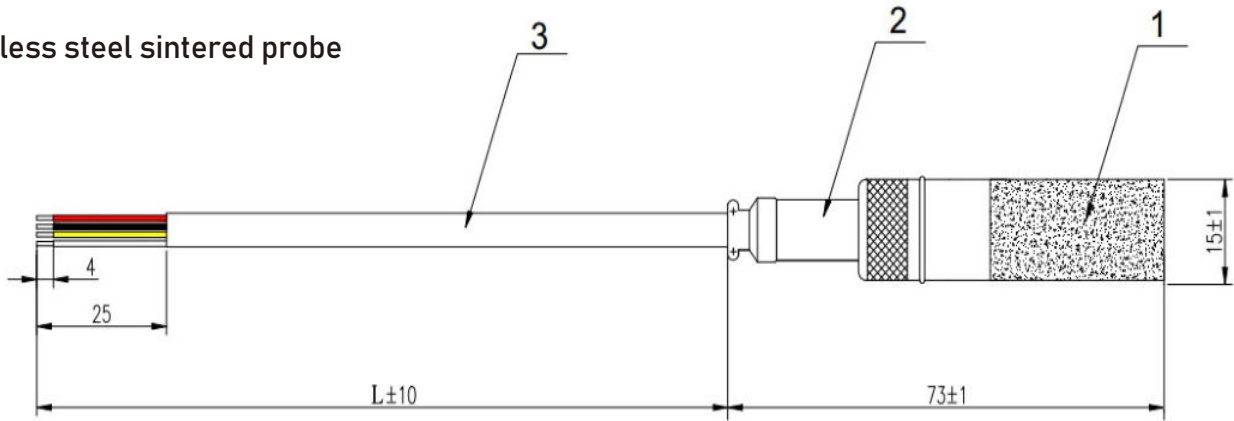
- Agricultural environment monitoring
- Food cold chain transportation
- Fresh air system
- Industrial temperature and humidity monitoring system
- Supporting other temperature and humidity instruments

### Parameters

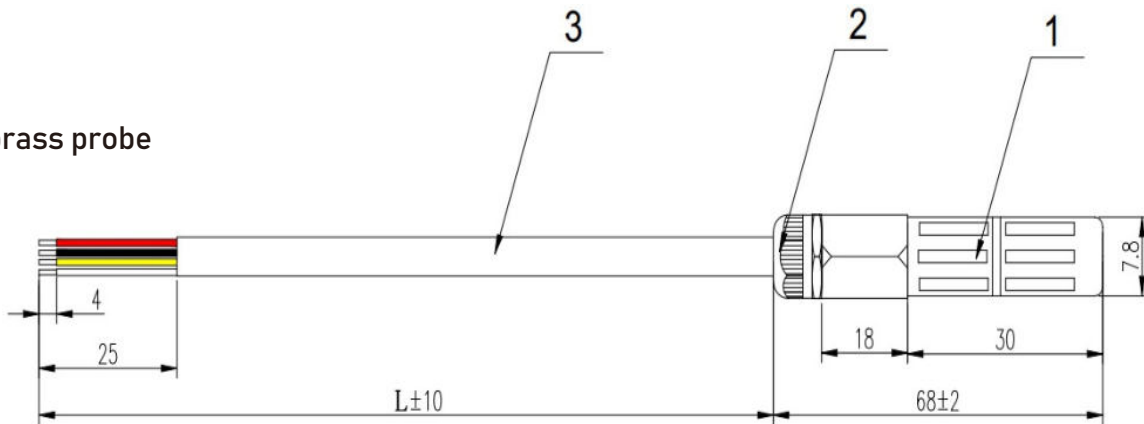
Model	GHTS
Probe types	Stainless steel sintered probe, Plastic brass probe, Stainless steel slotted probe
Chip types	SHT30, SHT31, SHT35, SHT40 etc.
Temperature range	-40 ~ +125°C
Temperature accuracy	±0.3°C, ±0.2°C, ±0.1°C (Specific based on chip selection)
Humidity range	0 ~ 100%RH
Humidity accuracy	±3%RH, ±2%RH, ±1.5%RH (Specific based on chip selection)
Operating Voltage	2.15 ~ 5.5V (Specific based on chip selection)
Shell material	Stainless steel, plastic etc.
Cable material	PVC, silicone etc. (customizable)
Terminal type	Tinning, stereo plug etc. (customizable)

Size and wiring

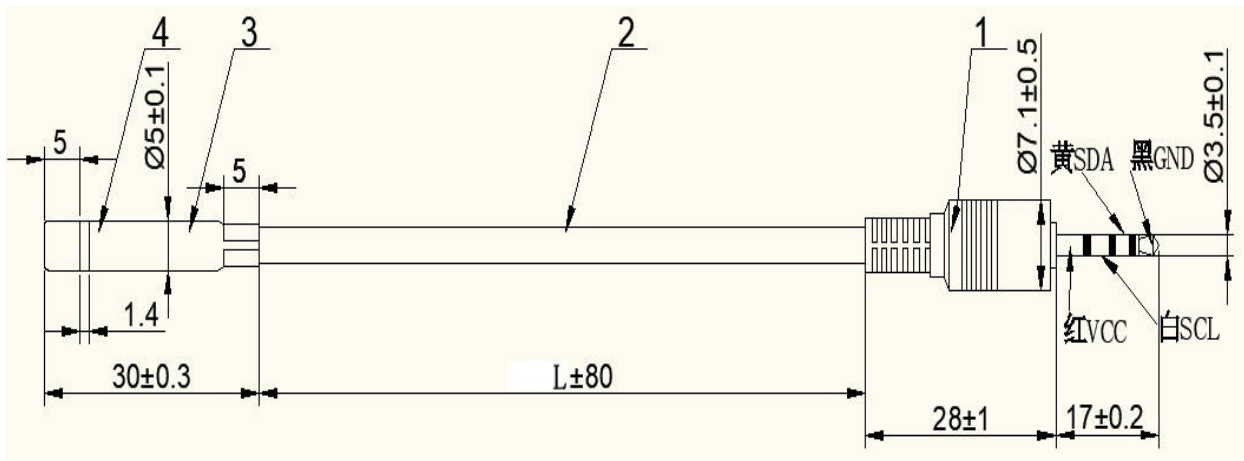
Stainless steel sintered probe



Plastic brass probe



Stainless steel slotted probe



Ordering instructions

1. Probe type (sintered stainless steel probe, plastic brass probe, stainless steel slotted probe)
2. Chip type (SHT30, SHT31, SHT35, SHT40, etc.)
3. Measuring temperature range and accuracy (-40~+125°C)
4. Measuring humidity range and accuracy (0~100%RH)
5. Cable material and length (PVC, silicone, etc.)
6. Wire end (hanging tin, connector type)