

# GXCAS Technology

## GXHT30C

**Temperature and Humidity Sensor  
Module with Very Small Volume**

### Overview

GXHT30C is a temperature and humidity measurement driven by I2C, which has a wide range of temperature and humidity measurements.

The temperature measurement range of the module is  $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$ , the typical temperature accuracy is  $\pm 0.3^{\circ}\text{C}$ .

The humidity measurement range is from 0% RH to 100%RH, and the typical humidity accuracy is  $\pm 3\%$ .

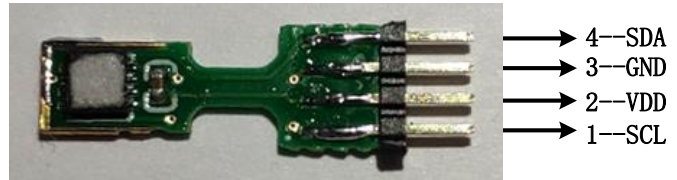
The module integrates temperature sensor, humidity sensor, decoupling capacitor, small spacing needle insertion and membrane together. They are dustproof and waterproof, easy to connect and use.

### Characteristics

- I2C communication interface, the interface voltage is from 2V to 5.5V
- The temperature measurement ranges from  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- The humidity measurement ranges from 0%RH to 100%RH
- The accuracy is  $\pm 0.3^{\circ}\text{C}$  during temperature measurement
- Humidity measurement accuracy is  $\pm 3\%$ RH
- Maximum Resolution is 15bit
- Temperature conversion time is as fast as 2ms

- The fastest humidity conversion time is 2ms
- Both dustproof and waterproof
- Suitable for Household appliances, intelligent storage, industrial systems, Internet of Things and other various scenarios

### Pin Configurations

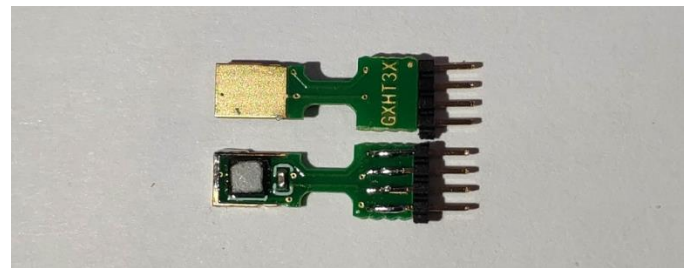


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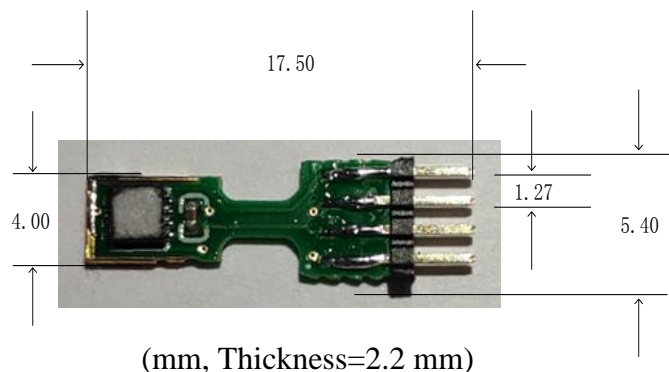
### Pin Description

No.	Name	Function
1	SCL	I2C clock
2	VDD	Voltage
3	GND	The Grounding Pin
4	SDA	I2C cable

### Pin Description



### Module Size



**Revision History**

REVISION DATE	DESCRIPTION
2020/8/31	Release

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