



Smart home ventilation high precision sensitive 1-Wire bus communication RH&T Sensor module SE-RHT05

Product Features:

RHT05 output calibrated digital signal. It utilizes exclusive digital-signal-collecting-technique and humidity sensing technology, assuring its reliability and stability. Its sensing elements is connected with 8-bit single-chip computer.

Every sensor of this model is temperature compensated and calibrated in accurate calibration chamber and the calibration-coefficient is saved in type of programme in OTP memory, when the sensor is detecting, it will cite coefficient from memory.

Small size & low consumption & long transmission distance(20m) enable RHT05 to be suited in all kinds of harsh application occasions.



Features:

Relative humidity and temperature measurement, calibrated digital signal, outstanding long-term stability, extra components not needed, long transmission distance, low power consumption, fully interchangeable.



Specs&Description:

Power supply:	3.3-5.5V DC
Output signal:	digital signal via single-bus
Operating range:	humidity 0-100%RH, temperature -40~+80°C
Humidity Accuracy:	±3%RH
Temperature Accuracy:	±0.5°C
Resolution:	humidity 0.1%RH, temperature 0.1°C
Repeatability:	humidity ±1%/year, temperature ±0.2°C/year
Response time:	Average:<5s
Interchangeability:	fully interchangeable

Product **Pictures:**



TEMPERATURE

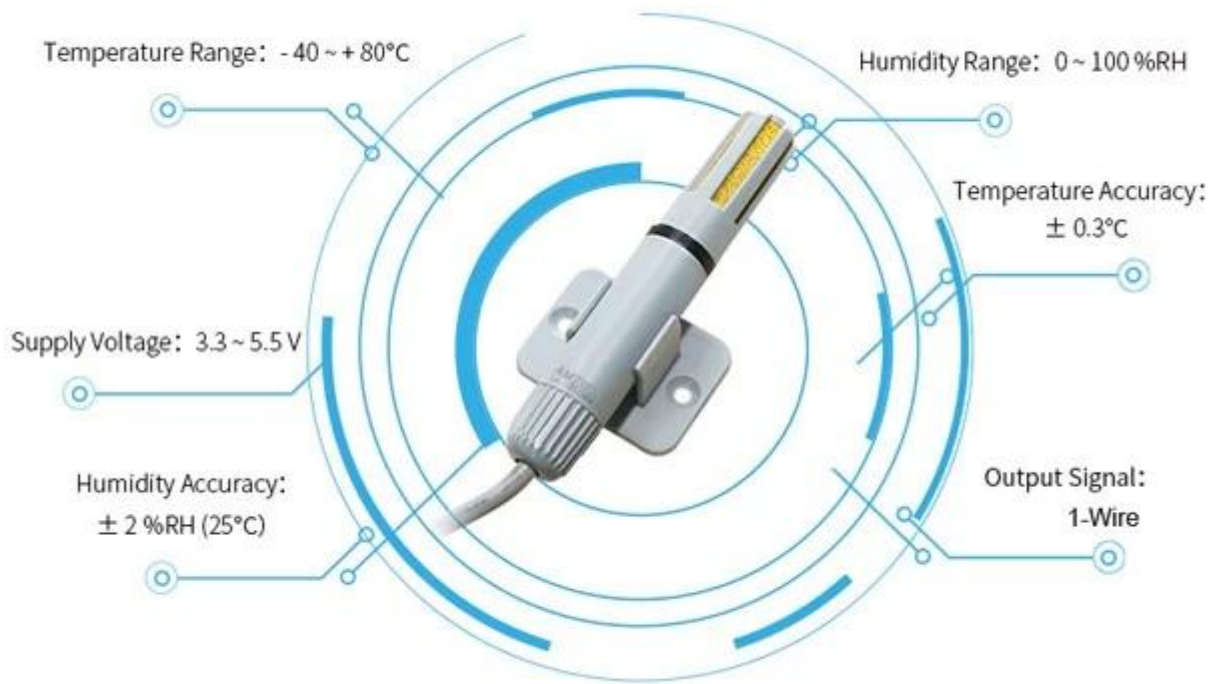


HUMIDITY



GAS





Application Range:

HVAC, dehumidifiers, testing and testing equipment, consumer products, automotive, automatic control, data loggers, appliances, humidity regulators, Medical, weather stations, and other related humidity detection control.

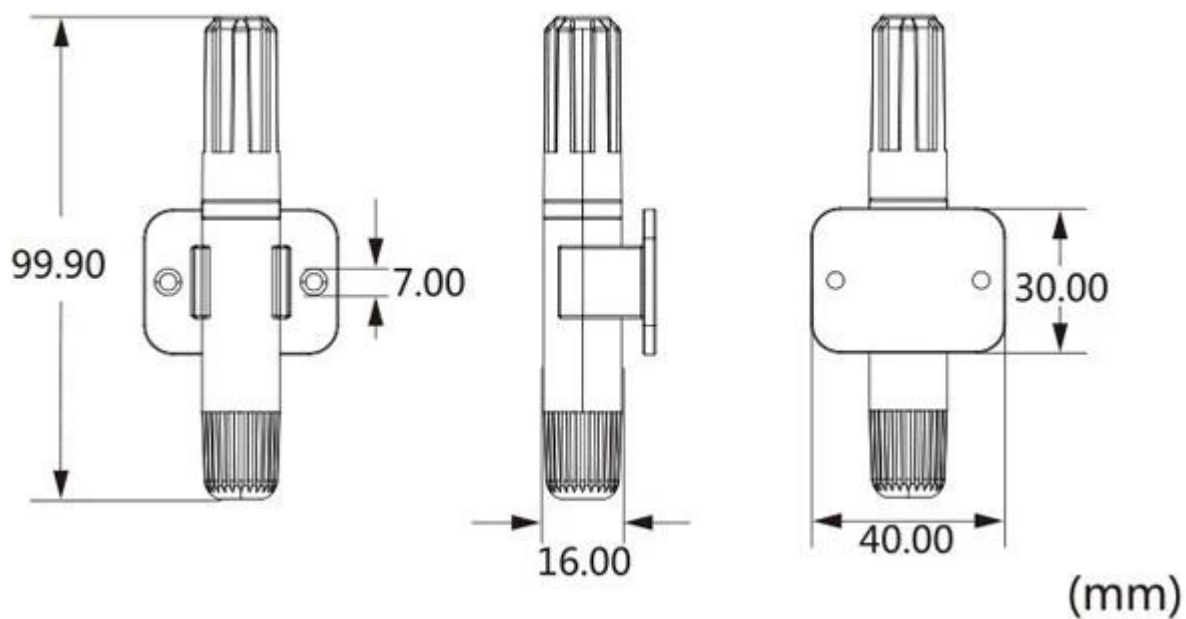
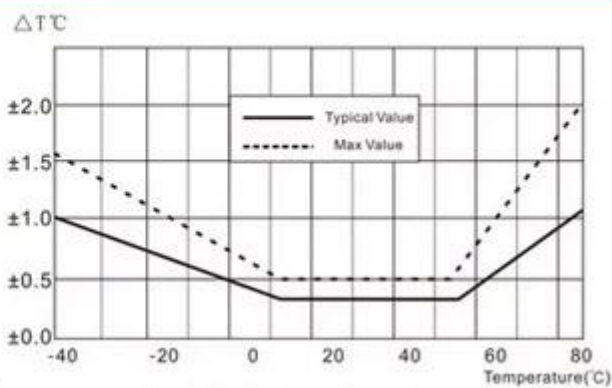
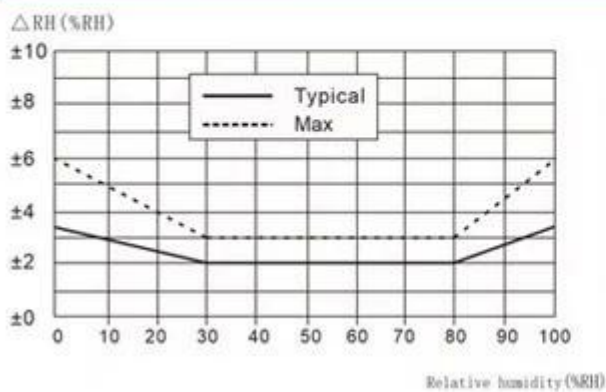


3. Product highlights

Ultra-low power consumption, transmission distance, all automated calibration, the use of capacitive humidity sensor, fully interchangeable, standard digital single bus output, Excellent long-term stability, using high-precision temperature measurement components.

Parameter	Condition	MIN	TYP	MAX	Unit
Interface	one wire	-	one wire	-	-
Supply Voltage	-		3.3	5.5	V
Temperature Range	-	-40	-	+80	°C
Humidity Range	-	0	-	99.9	%RH
Temperature Accuracy	-	-	±0.3	-	°C
Humidity Accuracy	-	-	±2	-	%RH
Response time	τ 63%	-	8	-	s
Prolonged Drift (Temp)	-	-	<0.1	-	°C/yr
Prolonged Drift (Hum)	-	-	<1	-	%RH/yr

Characteristic Table





Approval Certification:



Why Choose US :

1. Established in 2005, about 10 years of history;
2. Owns main factories, supply diversification products and One stop service service
3. Certificates of ISO9001, UL, CE, SGS, EMC, CQC, Reach, etc
4. Six years Gold member in Alibaba, Aliexpress etc
5. Production capability more than 100 thousands pcs/ month;
6. Monthly export more than 50 times delivery;
7. Exported to more than 20 countries and regions;
8. We provide an excellent combination between prices, quality & respond, delivery, after-sales!



send us inquiry



receive our quotation



negotiate details



mass production



sign contract / deposit



confirm the sample



cargo ready



balance / delivery



further cooperation