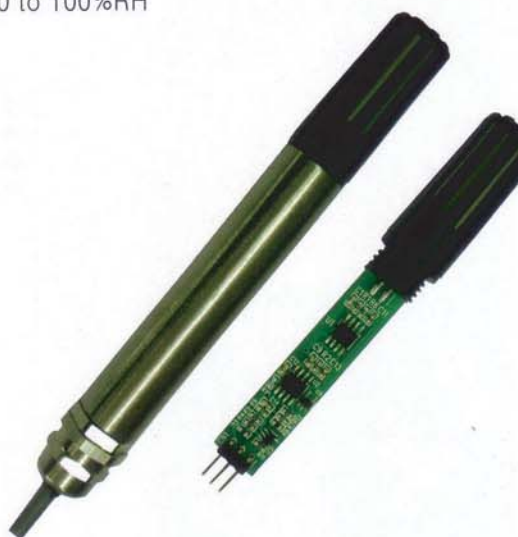


## JSY-HC-3000 Series

Utilizing the high-precision JSY-HC-1 humidity sensor, JSY-HC-3000 is a dedicated humidity and temperature transducer designed for Original Equipment Manufacturer (OEM) applications that require reliable and accurate measurement. It features a highly compact, cost-effective mechanical mounting.

- Stable, proportional voltage output from 0 to 100%RH
- Ultra compact and high accuracy
- Precise humidity measurement
- Low power consumption
- Fast response time
- High reliability and long term stability
- Different output options on request

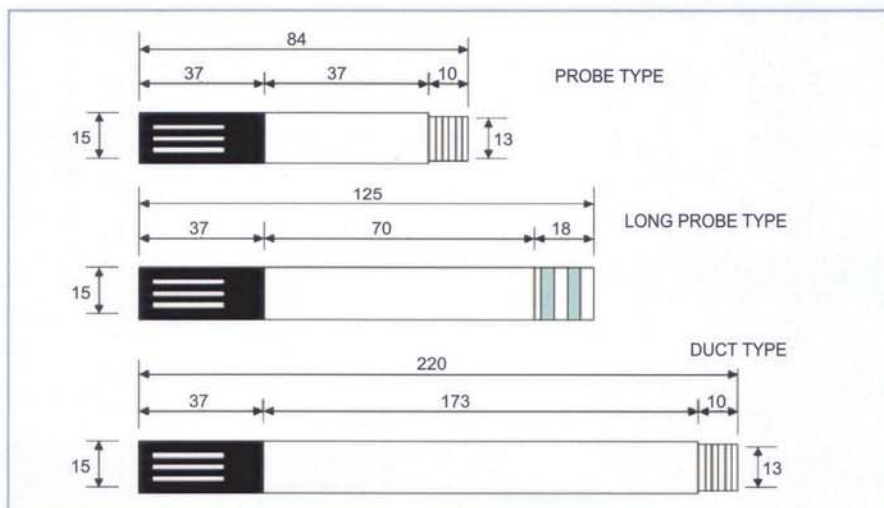
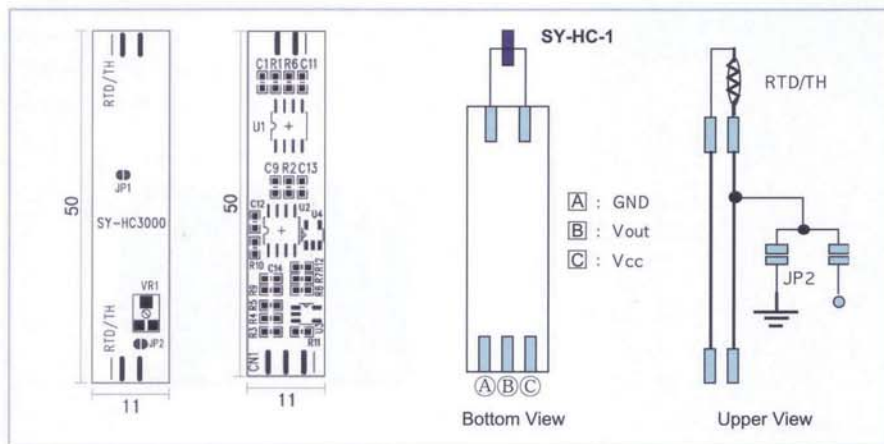
- Air conditioning in automobiles
- HVAC equipment
- Industrial process controls
- Home appliances



	JSY-HC-3000 (Humidity only)	JSY-HC-3001 (Temperature and Humidity)
Humidity sensor		SY-HC-1
Temperature sensor	None	Thermistor
Supply voltage		DC 5V
Current consumption		Max. 1.3mA
Temperature coefficient		-0.17%RH/°C
Operational temperature		-40~85°C
Operational humidity		0~100%RH(non-condensing)
Voltage output		2.66V (at 25°C, 60%RH)
Sensitivity		31mV/%RH
Response time		< 15 sec.
Humidity accuracy		±3%RH (at 25°C, 40%RH to 80%RH)
Temperature output	None	Resistance output
Temperature accuracy	None	R(25°C) = 10kΩ±1% B value(25/50) = 3450±1%
Storage temperature		-40~125°C
Storage humidity		0~100%RH

Relative Humidity	20%RH	30%RH	40%RH	50%RH	60%RH	70%RH	80%RH	90%RH
Output Voltage (mV)	1420	1730	2040	2350	2660	2970	3280	3590

## JSY-HC-3000 Series



- Test condition
- (1) Temperature: 25°C
  - (2) Humidity: 0~100%RH

