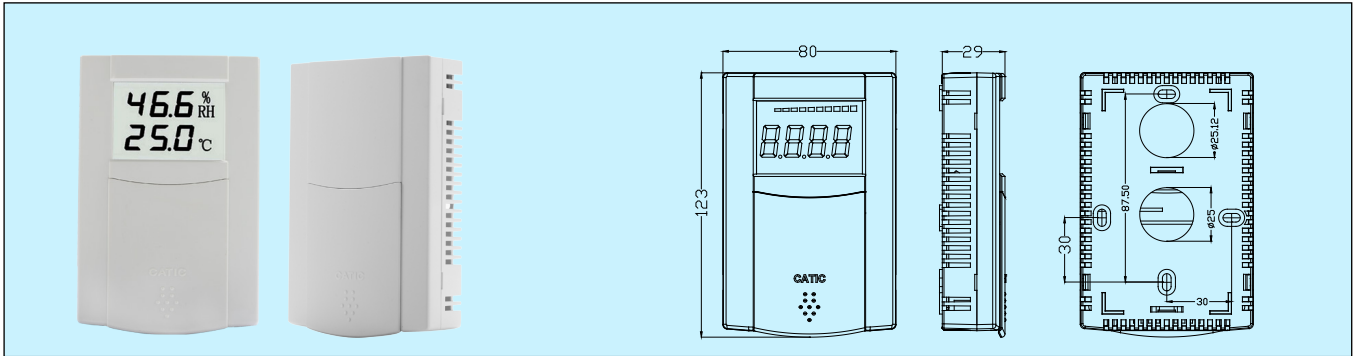


H1 Wall Mount Temperature & Humidity Transmitters

CATIC



Applications & Features

- H1 is designed for indoor air temperature and humidity measurement
- High performance digital sensors & circuits, ensure accurate measurement & temp. compensation
- Good long term stability and reliability,
- 100% changeable sensors without re-calibration
- Fast response
- Light art housing, easy installation & wiring
- Digital technology applied, multiple output optional, over voltage and reverse polarity protection, high reliability and anti-interference capability

Specifications

Relative Humidity

Sensor: Digital polymer

Range: 0~100%RH

Output: 4~20mA (2 wires), 0~10VDC (3 wires), RS485

Accuracy: 2, 3, 4.5%RH (25°C, 20~80%RH)

Hysteresis: <±1%RH

Response time: <10s (25°C, in slow air)

Drift: <±0.5%RH/year

Temperature

Sensor: Digital, RTD or thermistor, see models

Range: 0~50°C

Output: 4~20mA (2 wires), 0~10VDC (3 wires), RS485/Modbus, or RTD/thermistor

Accuracy: transmitter<±0.5°C@25°C

PT100/1000, <±0.2°C@25°C

others, ±0.4°C@25°C

Power: Current 7.5~36VDC;

Voltage: 15~28VAC/ 15~36VDC

Output Load: ≤500Ω (current), ≥2KΩ (voltage)

Display and Keys: Optional LCD display & Keys

Display Resolution: 0.1°C, 0.1%RH

Temp. Limit: 0~70°C, 0~95%RH (Non condensing)

Storage Temperature: -20~80°C

Housing: fireproof ABS

Protection: IP30

Approval: CE

Models

Model	H1					Wall mount Temp./RH transmitter
RH Accuracy		2				±2%RH
		3				±3%RH
		5				±4.5%RH
RH Output			1			0-10VDC(3 wires)
			2			4-20mA(2 wires)
			8			RS485/Modbus
Temp. Output				0		N/A
				1		0-10VDC(3 wires)
				2		4-20mA(2 wires)
				3		PT1000, ±0.2°C@25°C
				4		PT100, ±0.2°C@25°C
				5		NTC20K, ±0.4°C@25°C
				6		Ni 1000, ±0.4°C@25°C
				7		NTC10K-II, ±0.4°C@25°C
				8		RS485/Modbus
				9		NTC10K-III, ±0.4°C@25°C
				A		NTC10K-A, ±0.4°C@25°C
Temp. Range					0	N/A
					1	0-50°C
					7	others
LCD Display					0	N/A
					1	LCD

*H series products are powered on RH circuit, so the RH circuit must be powered. Otherwise it could not work.