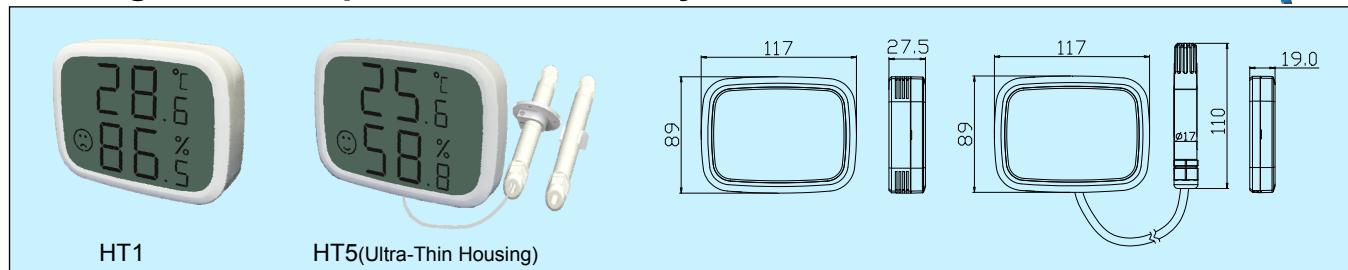


HT Large LCD Temperature & Humidity Transmitter

TEREN



Applications and features

- HT1 is for room application, HT5 has a separate probe with Ultra-thin fashion enclosure (only 19 mm)
- State of art enclosure with large LCD(101x73mm), good for various temperature and humidity display, measurement and transmission applications, such as airports, stations, museums, archives, commercial centers, laboratories, factories, clean rooms, hospitals, etc.
- High-performance digital sensors and circuits to ensure accurate measurement and compensation. HT5 can change probes without re-calibration
- Good long-term stability, fast response
- The terminal blocks are on the back of the housing to protect the circuit board from possible damage during wiring
- Power supply and output have over voltage and reverse polarity protection, with high reliability, good anti-interference ability

Temperature:

Range:0~50°C

Output:4~20mA (2nd)0~10VDC, RS485/Modbus

Accuracy:0.4°C@0~50°C

Communication:RS485/Modbus RTU, / 9600 baud rate; can be set termination resistor

Display: Large LCD digital display (101x73mm)

Display resolution: 0.1°C (or °F), 0.1%RH

Display refresh time: <1 second

Power: Voltage type 16~28VAC/16~35VDC,

Current 18.5~35VDC (RL=500Ω), 8.5~35VDC (RL=0Ω)

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

Working environment: -10~60°C, 0~95%RH (non-cond.)

Housing Material: Flame retardant PC housing and probe, UL94V-0

Protection: IP30, probe IP65 (except filter)

Weight: HT1:270g; HT5:390g (with 2m cable)

Certification: CE, meet EN61326-1 for industrial equipment

Technical specifications

Sensor: Digital temperature/humidity sensor

Relative humidity:

Range:0~100%RH

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

Accuracy:3%RH@ 25°C,20~80%RH

Hysteresis:<±1%RH

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

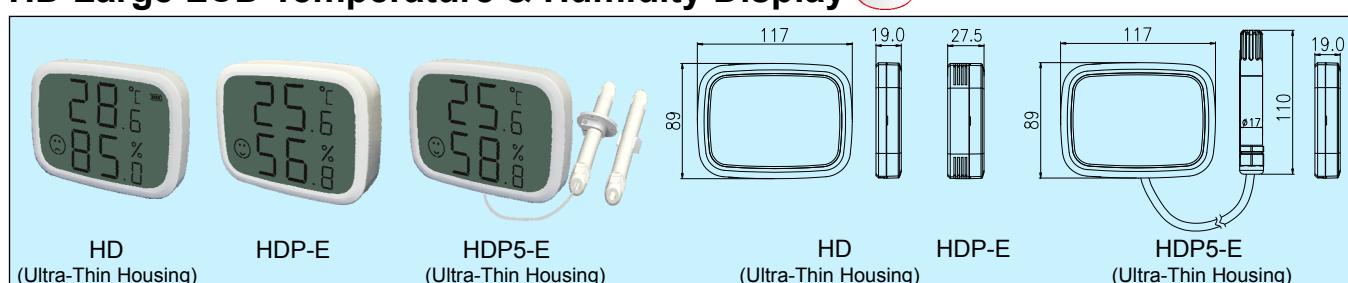
Drift:<±0.5% RH/year

Models

Model	HT1 HT5	Room temp. and hum. display/transmitter Remote temp. & humidity display/transmitter
output	1 2 8	2x0~10VDC (3 wires) 2x4~20mA (2 wires) RS485/Modbus

HT5 has standard cable of 2m. If need more, add suffix -xx, which is the length. 5m or 10m is available, such as HT5x-10, means the cable is 10m.

HD Large LCD Temperature & Humidity Display NEW



Applications and features

- This HD series is designed for applications that require measurement and display only
- State of art enclosure with large LCD (101x73mm), good for home, office, museum, theater, business center, archive, laboratory, hospital, warehouse, factory workshop, clean room, etc.
- HD is for room application with battery power, can be wall mounted or on any table. Ultra-thin fashion enclosure (only 19 mm). HDP and HDP-E are high-precision indoor integrated products. And HDP is battery powered while HDP-E is external powered. HDP5 and HDP5-E are remote mount with ultra-thin housings separate probe. HDP5 is battery powered and HDP5-E is external powered
- High-performance digital sensors and circuits for accurate measurement and compensation, with good accuracy up to 2%RH/0.3°C
- Good long-term stability and fast response

Display refresh time: <1 second

Power: 16~28VAC/16~35VDC or battery(AAAx2), see models

Working environment: -10~60°C, 0~95%RH (non-cond.)

Accuracy:

Model	Temperature	Humidity
HD	0.5°C(0~50°C)	5%RH(25°C, 20~80%RH)
HDP	0.4°C(0~50°C)	3%RH(25°C, 20~80%RH)
HDP-E	0.4°C(0~50°C)	3%RH(25°C, 20~80%RH)
HDP5	0.3°C(0~50°C)	2%RH(25°C, 20~80%RH)
HDP5-E	0.3°C(0~50°C)	2%RH(25°C, 20~80%RH)

Storage and transportation temperature: -20~70 °C

Housing Material: Flame retardant PC housing and probe, UL94V-0

Protection: IP30, probe IP65 (except filter)

Certification: CE

Models

Model	HD	T/RH display, ultra-thin, ordinary accuracy, battery
	HDP	T/RH display, high accuracy, battery
	HDP-E	T/RH display, high accuracy, power
	HDP5	Remote T/RH display, ultra-thin, high accuracy, battery
	HDP5-E	Remote T/RH display, ultra-thin, high accuracy, power

HDP5 and HDP5-E has standard cable of 2m. If need more, add suffix -xx, which is the length. 5m or 10m is available, such as HDP5-10, means the cable is 10m.

Technical specifications

Sensor: Digital temperature and humidity sensor

Working range: -40~85°C, 0~100%RH

Display: Large LCD digital display (screen size 101x73mm)

Display resolution:0.1°C (or °F), 0.1%RH