

HP1 HYGROPROBE HUMIDITY & TEMPERATURE TRANSMITTER

Applications:

HP1 Hygroprobe humidity and temperature transmitters are designed for environment monitoring and controlling in industrial, commercial and other buildings. These transmitters can be used for indoor air temperature and humidity monitoring in various industrial plant, clean room, lab, machine room, office and commercial building, airport, station, library and stadium, etc.



Features:

- High performance digital sensors and circuits, ensure accurate measurement and temperature compensation
- Good long term stability and reliability
- 100% interchangeable sensors, no re-calibration needed
- Fast response with negligible down times
- Light and state of art house, easy installation and wiring
- Single Point and Multi Point Calibration
- Halogen Free Material, Complying with GXP

Performance Specifications:

Humidity Sensor	: Digital polymer
Humidity Range	: 0~100%RH
Humidity Accuracy	: $\pm 1.5\%$ RH
Temperature Sensor	: NTC
Temperature Range	: -40 to 85°C; -40 to 60°C; -30 to 70°C
Temperature Accuracy	: $\pm 0.3^\circ\text{C}$
Analog Output	: 0 - 1VDC / 0 - 10VDC / 0 - 2.5VDC / 0 - 5VDC
Digital Output	: I ² C / SPI / UART (TTL Level) / RS485 / USB 2.0
Power Supply	: 5 ~ 28V DC
	: 14 ~ 28V DC
Storage Temperature	: -50 to 90°C
EPS Protection	: $\pm 2.5\text{KV}$
IP Protection	: IP65
Housing	: Fireproof ABS
Wire Length	: 3 meters
Weight	: 9 grams
Agency Approval	: CE

Dimension (mm):



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Wiring Drawing:



Output Colour	Voltage	RS485	UART	Frequency
Red	V+	V+	V+	V+
Black	V+	V-	V-	V-
White	T	RS485 -/B	RXD	T
Brown	H	RS485 +/A	TXD	H

HOW TO ORDER

Basic Model:

HP1

HP1

Cable Length:

2

- 1 2 Meters
- 2 3 Meters
- 3 5 Meters

Output:

20

- 20 0 ~ 10V DC
- 21 0 ~ 1V DC
- 22 0 ~ 2.5V DC
- 25 0 ~ 5V DC
- 30 I2C
- 40 SPI
- 50 UART (TTL Level)
- 60 RS485
- 70 USB 2.0

Temperature Range:

A

- A -40 ~ 85°C
- B -40 ~ 60°C
- C -30 ~ 70°C

Ordering Example : HP1220A