

# High Accuracy Thermo-Hygro Meter & Transmitter with sensors

## FEATURES

- High Accuracy  $\pm 0.2^{\circ}\text{C}$ ,  $\pm 2.0\% \text{RH}$
- Wide Measurement Range  $-10 \sim 50^{\circ}\text{C}$ ,  $0 \sim 100\%$
- Low hysteresis
- Long-term stability
- Ease to install in a wall
- Compact & Slim size

## TYPICAL APPLICATIONS

- HVAC Applications
  - Clean Room
  - Dehumidifier
  - Air-Conditioner
- Laboratory
  - Pharmaceutical fermentation tube
  - Microbiology
  - Food storage
- Industrial Applications
  - Semi-Conductor
  - LCD
  - Dry room
  - Ship
  - Food processing
  - Food storage
  - Chemical
  - Film, Document storage

The **HTD 1000 series** measure(watch) humidity and temperature of high accuracy in HVAC, building automation, processing factory, storage warehouse, PCB process plant, electron equipment and machine equipment operation room, computing room, film and document storage room, college and corporation laboratory, the library etc..



### High accuracy, stability

- Polymer capacitance sensor
- RTD(Pt1000ohm)

### Compact & Slim size (Depth:45mm)

### Transmission output signal (4~20mA)

**Possible separate sensor & Display**

**PERFORMANCE SPECIFICATIONS**

Model		<b>HTX500</b>	<b>HTX1100</b>	<b>HTX1200</b>
Parameters				
Relative Humidity	Measurement Range	20 to 80 %RH		0 to 100 %RH
	Accuracy	± 5.0 %RH	± 3.0 %RH	± 2.0 %RH
	Linearity	± 0.5 %RH Typical		
	Repeatability	±0.5 %RH		
	Response Time	15Sec in slowly air at 25°C		
	Output(Input :HTD100)	.	4 to 20mA (Optional)	
Temperature	Measurement Range	0 ~ 50 °C	-10 ~ 50 °C or Custom Range	
	Accuracy at 23 □	±1.0 °C	± 0.8 °C	± 0.4 °C
	Sensor element	PT1000Ω Class B		
	Output(Input :HTD100)	.	4 to 20mA (Optional)	
Supply Voltage		DC24V (Include AC220V Adapter)		
Housing		Steel		
Sensor Protection		Stainless Filter		
Dimension(W×H×D mm)		320 X 280 X 45 (except Probe)		
Weight		2.5 Kg		
Connections		Internal 6-Pin terminal block accepts 14~22AWG		