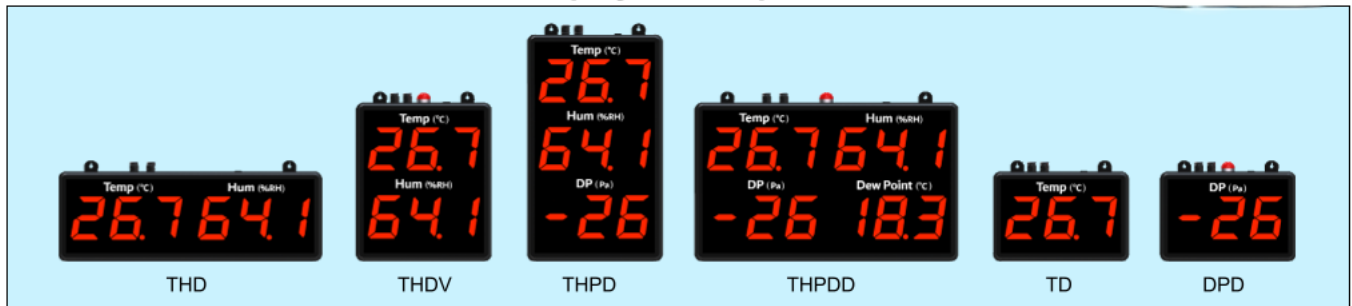


THD/THDV/THPD/THPDD/DPD/TD Display for Temp/Hum/DP/Dew Point



Applications & Features

- Temp./hum.: for applications in hospital, factory, library, museum, lab and warehouse, etc.
- Differential pressure: for applications in clean room, lab, pharmaceutical plant, operating room, infectious ward, isolation room, etc.
- Dew point: good for applications in clean room, lab, pharmaceutical plant, electrical plant, etc.
- High accuracy digital sensor, field changeable without any re-calibration
- Large, high light LED display
- Multiple inputs and outputs selection
- Multiple light & up-to-date enclosures selection
- Single point temperature, humidity, DP or dew point measurement and display
- Multiple points temperature, humidity, DP or dew point measurement, display, and networking
- Standard signal input can be compatible with other parameter's display
- Built-in buzzer. Relay or alarm light optional
- Compatible to DDC and PLC systems
- Can be ordered as any 1-4 parameters' display

Models

Model	THD THDV THPD THPDD TD DPD			Temp/Hum Display Screen(Horizontal) Temp/Hum Display Screen(Vertical) Temp/Hum/DP Display Screen Temp/Hum/DP/Dew Point Display Screen Temperature Display Screen Differential Pressure Display Screen
Input		0 1 8		Remote sensor, 1.5m cable* 0-10V/4-20mA input, without sensor RS485/Modbus RTU input, without sensor
Output			0 1 8 B	without any output 0-10V/4-20mA** RS485, Modbus RTU 0-10V/4-20mA**, RS485/Modbus RTU
Relay/ Alarm			0 1 2	N/A 1xSPDT, 3A/30VDC Red alarm light

*Remote sensor models: temperature TD-S, temperature and humidity THD-S, differential pressure DPT120, dew point DP-S.

**All products are factory set to 4-20mA as output default, can be ordered as 0-10V.

Specifications

	THD/THDV	THPD	THPDD	TD	DPD
Application	Hospital, clean room, library, museum, lab, pharmaceutical plant, electrical plant, infectious ward, isolation room, etc.				
General Function	Single point or multiple points network data measurement and display				
Work Condition	-10~60°C, 20~90%RH(Non-cond.)				
Power	85~265VAC				
Consumption	<15W	<20W	<25W	<10W	<10W
Display*	3 bits 4 inches red LED (can be ordered for 4 bits display)				
Display Resolution**	0.1°C, 0.1%RH	0.1°C, 0.1%RH, 0.1Pa	0.1°C, 0.1%RH, 0.1Pa, 0.1°C	0.1°C(-19.9~99.9°C)	0.1Pa(-19.9~99.9Pa)
Display Range**	0~50.0°C, 0~99.9%RH	0~50.0°C, 0~99.9%RH, 0~99.9Pa	0~50.0°C, 0~99.9%RH, 0~99.9Pa, -60~60°C	-20~70.0°C	-60~60.0Pa
Display Accuracy (with matched sensors)	<±0.4°C@5~50°C <3%RH@20~85%RH, 25°C	<±0.4°C@5~50°C <±3%RH@20~85%RH, 25°C <±1Pa @0~99.9Pa, 25°C	<±0.4°C@5~50°C <3%RH@20~85%RH, 25°C <±1Pa @0~99.9Pa, 25°C <±2°C@-60~60°C	<±0.2°C@-20~70°C	<±1Pa @-60~60.0Pa, 25°C
Display Accuracy	1%FS (with external standard inputs)				
Standard Input	2x0~10V/4~20mA	3x0~10V/4~20mA	4x0~10V/4~20mA	1x0~10V/4~20mA	1x0~10V/4~20mA
Standard Output	2x0~10V/4~20mA	3x0~10V/4~20mA	4x0~10V/4~20mA	1x0~10V/4~20mA	1x0~10V/4~20mA
Communication	RS485/Modbus RTU, 9600-n-8-1, support read/output and write/input parameters				
Dimension(mm)	THD: W617xH210xD50 THDV: W317xH372xD50	W317xH533xD50	W617xH372xD50	W317xH210xD50	W317xH210xD50
Weight	3.5kg	4.6kg	5.9kg	2.4kg	2.4kg
Material	Dull black color aluminum alloy frame, PMMA panel				
Protection	IP30				
Installation	Wall mount or suspend from ceiling				
Buttons & Functions	Three buttons with parameters calibration, buzzer/relay/alarm light parameters set, RS485 address set, input signals and ranges set, output ranges set, LED inspection, restore default set, etc.				

*The standard display is 3 bits LED. If order the 4 bits instead, the display mode may be complex with ordered software which may cost more.

**The display ranges are for models with matched sensors, and the display is 3 bits. If the external input signal (0-10V/4-20mA/RS485) is selected, the ranges will correspond to the input ranges.