

THD/THDV/THPD/DPD Display Screen For Temp./ Humidity/Diff. Pressure



Applications & Features

- High accuracy digital sensor, field changeable without any re-calibration.
- Large, high light LED display.
- Multiple inputs and outputs selection
- Light and up-to-date enclosure.
- Single point temperature, humidity or DP measurement and display.
- Multiple points temperature, humidity and DP measurement, display and network collection
- Compatible to DDC and PLC systems.

Models

Model	THD			Temp/Hum Display Screen (Horizontal)
	THDV			Temp/Hum Display Screen (Vertical)
	THPD			Temp/Hum /DP Display Screen
	DPD			DP Display Screen
Input		0		Remote sensor, 1.5m cable
		1		0-10V/4-20mA input, without sensor
		2		Built-in sensor (differential pressure, only for DPD)
		8		RS485/Modbus RTU input, without sensor
Output		0		Without any output
		1		0-10V/4-20mA*
		8		RS485, Modbus RTU
		B		0-10V/4-20mA*, RS485/Modbus RTU
Relay		0		N/A
		1		1x SPDT + inside buzzer

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

Specifications

	THD	THDV	THPD	DPD
Application	Clean room, library, museum, lab, etc.		Clean room, lab, pharmaceutical plant, infectious ward, isolation room, etc.	
Power	85~265VAC			
Consumption	<15W		<15W	<10W
Display	3 Bit 4 inch red LED			
Display Resolution	0.1°C, 0.1%RH		0.1°C, 0.1%RH, 0.1Pa	0.1Pa (-19.9~60.0Pa)
Display Range	0~50.0°C, 0~99.9%RH		0~50.0°C, 0~99.9%RH, 0~99.9 Pa	-60~60.0Pa
Display Accuracy (with matched sensors)	<±0.4°C @5~50°C <±3%RH@20~80%RH, 25°C		<±0.4°C @5~50°C <±3%RH@20~80%RH, 25°C <±1Pa @0~99.9Pa, 25°C	<±1Pa @-60~60.0Pa, 25°C
Display Accuracy (with standard inputs)	1%FS			
Sensor	THD-S T/RH sensor		THD-S T/RH sensor, DPT DP transmitter	Built-in or external DPT differential pressure transmitter
Standard Input	2×0-10V/4-20mA(2-10V)		3×0-10V/4-20mA(2-10V)	1×0-10V/4-20mA(2-10V)
Standard Output	2×0-10V/4-20mA		3×0-10V/4-20mA	1×0-10V/4-20mA
Communication	RS485/Modbus RTU, 9600-n-8-1, support read/output and write/input parameters			
Dimension	W715*H285*D50mm	W470*H400*D50mm	W470*H650*D50mm	W470*H285*D50mm
Weight	3.8kg	3.9kg	5.2kg	2.5kg
Material	Dull silver color aluminum alloy frame, PC panel with PVC film			
Protection	IP30			
Installation	Wall mount or suspend from ceiling			
Buttons & Functions	Three buttons with parameters calibration, buzzer/relay parameters set, RS485 address set, input signals/ranges set, output ranges set, LED inspection, restore default set, etc.			