



THS88 High Pressure Dew Point Transmitter



Applications:

The THS88 Dew Point Transmitter can be used in high pressure fields that require precision environmental monitoring. It measures high pressure, low humidity and the dew point range can be easily adjusted as needed.

- Compressed air systems, freezers, absorption machines
- Industrial drying machines
- Paper factories
- Chemical process monitoring

Features:

- High accuracy, long-term stability
- Capable of temperature compensation and linear adjustment
- Industry sensor with non-cond. Bearable pressure: 16 bar
- Analogue output: 0-1V/0-5V/0-10V/0-20mA/4-20mA
- MODBUS RTU protocol, RS-485 communication interface
- Dew Point measuring range: -100~+60°C dp
- High pressure, low humidity
- Frost Point and Absolute Humidity readings
- Adjustable Dew Point measuring range



Specifications:

Input		Environment	
Input Type	Capacitive Humidity Sensor & PT 100 Ω	Media Measured	Air
Working Range of Dew Point	-60 ~ +60°C dp	Working Temp. for Housing	-40 ~ +80°C
Output		Working Humidity for Housing	0 ~ 95 RH % (non-cond.)
Max. Scaling Range	Dew Point: -100 ~ +60°C dp	Working Temp. for Probe	-70 ~ +80°C
Dew Point Switch to Another	Frost Point: -60 ~ 0°C fp	Bearable Pressure	16 bar
Physical Quantity Range	Absolute Humidity (volume): 0 ~ 50000 ppm/v	Electrical	
	Absolute Humidity (weight): 0 ~ 50000 ppm/w	Power Supply	8 ~ 35VDC & 10 ~ 30VAC
Output Signal	Standard RS-485 & 1 analogue output	Current Consumption	DC24V, 50mA
	0 ~ 20mA/4 ~ 20mA/0 ~ 5VDC/0 ~ 0VDC	Electrical Connection	M12 Connector
Signal Connection	3-wire	Material	
Modbus	Standard RS-485 & 1 analogue output	Housing	Stainless Steel
Linear Accuracy	±2°C dp (at +25°C) ±(0.02% F.S./°C)	Probe	Stainless Steel
Load Resistance	Current Output: max. 500Ω/Voltage Output: min. 10KΩ	Weight	233g
Output Calibration (zero & span)	Software		
Response Time t90 (temp. at +25°C)	<20s		