THS86-87 Dew Point Controller

Applications:

The THS86-87 Dew Point Controllers can be used in fields that require precision environmental monitoring. Examples include the food industry, agricultural sector, as well as textile and pharmaceutical industries.

- Storerooms
- Cold Rooms
- Factories
- Weather Stations
- Laboratories

Features:

- With temperature compensated and linear correction
- Physical quantity and linear correction output by computer program
- With RS-485 interface and MODBUS RTU protocol
- Easy installation with metal connector
- Industrial class sensor comes with high accuracy and long-term stability
- THS86 is a duct-type mount controller
- THS87 is a remote-fixed type controller
- Large LCD display
- Stainless steel probe

Specifications:

Input		Environment	
Input Type	Capacitive Humidity Sensor & PT 100 Ω	Media Measured	Air
		Working Temp. of Body	-20 ~ +60°C
Output		Working Humidity of Body	0 ~ 95 RH % (non-cond.)
Output	0 ~ 20mA/4 ~ 20mA/0 ~ 1VDC/0 ~ 5VDC/0 ~ 10VDC	Working Temp. of Probe	-40 ~ +80°C
Signal Connection	3-wire	Bearable Pressure for Probe	10 bar
MODBUS	RS-485 (programmable)	**Electrical**	
Linear Accuracy (at +25°C)	Temp: ±0.15°C, ±0.002°C x tactual	Power Supply	8 ~ 35VDC & 12 ~ 30VAC
	Dew Point: ±3°C dp	Current Consumption	DC24V, 60mA/DC12V, 120mA
Temp. influence body (at +25°C)	0.02%F.S/°C	Electrical Connection	M12 Connector (signal) & 2P Connector (RS-485), AC24V, 140mA/AC12V, 230mA
Load Resistance	Current Output Max. 500Ω	**Material**	
	Voltage Output Min. 10KΩ	Housing	PC Fire-proof class
Output Calibration	Software	Probe	Stainless Steel
Response time t90	<30s (SUS sintered filter)	Cable	Teflon
Temp. at +25°C, wind speed ≥ 1m/s	<20s (metal net filter)	Weight	THS86 425g/451g (display)
Display Range	Two decimal places		THS87 450g/477g (display)