



Portable Dew Point Meter FM-PDP-A100

Overview

Portable Dew Point Meter FM-PDP-A100 is equipped with a double humidity sensor and offers a temperature range from -110°C to $+60^{\circ}\text{C}$. It is designed with a MEMS pressure sensor with broad pressure measurement capability ranging from 1 to 17 bar. Integrated with a 4.3-inch intuitive touchscreen for real-time monitoring of various parameters.

Specifications :

Dew Point Range	-110 to +60
Pressure Range	1 to 17 bar
Temperature measurement range	-20 to +70
Dew Point Accuracy (air or nitrogen)	-2 (-60 to -60) -3 (-80 to -110)
Temperature Accuracy	-0.3 (0 to 50) -0.5 (-20 to 0) & (50 to 70)
Pressure Precision	- 0.3%FS at 23
Pressure Drift with Temperature	-0.01 bar/10
Response Time	At the temperature of 20 , at the pressure of 1 bar, the range reaches 63% (90%), 1 bar, 4L/min -60 to > 0 10s[20s] 0> to -60 td 2min[8min]
Pressure response time	<1s
Power supply	85 to 264VAC,50/60Hz
Switch output	1 set Relay
Contact Point Capacity	24V DC,0.2A
Analog output/Modes	1 set, 4-20mA/0-20mA/0-1V/0-5V/0-10V/1-5V
Communication	RS485 RS232(optional)
Data Storage	200,000,00 Record Points
Dimension	26 x14 x26cm
Packing Dimension	40 x40 x30cm
Net Weight	1kg
Gross Weight	2kg

Features :

- Offers self-calibration
- Supports large data storage
- Enables Bluetooth and WiFi Wireless Communication
- Boasts dual sensor interface
- Data retrieval via removable U-disk

Applications :

Portable Dew Point Meters are widely utilized in HVAC systems, industrial processes, meteorology, cold storage, pharmaceuticals, etc.