

FIXED DEW POINT / MOISTURE TRANSMITTER

DEW POINT TRANSMITTER / MOISTURE IN COMPACT DESIGN WITH DISPLAY



DEW POINT TRANSMITTER / MOISTURE

MODEL NO.: DPXT 98

DPXT - 98 Series is field transmitter designed for rugged industrial environment. It employ advanced digital technology to provide reliable and highly accurate measurement. The well proven high capacitance sensor offers exceptional resistance to contaminants like organic vapours. The thin film capacitance has one point calibration. Its linearised 4-20mA DC can interface directly with any receiving instrument.

SPECIAL FEATURES

- Micro-controller based
- Can be calibrated for Dew point, Moisture, Vapour Pressure, Humidity
- Available in both Explosion proof or Weather proof housing
- 4-20mA DC, output as standard
- RS-232 / RS-485 MODBUS output optional
- Single point Calibration
- Alphanumeric LCD Display

SPECIFICATIONS

Type	: Dew Point / Moisture
Range	: Dew Point : -60°C to +30°C / Moisture : 0 - 23000 PPM
Sensor	: Thin film capacitance
Sensor guard	: Aluminium
Operating Voltage	: 24 Volt DC
Output Analog	: 4-20 mA (can derive 1 parameter only)
Optional digital output	: RS 232 / RS 485, MODBUS
Baud Rate	: 9600
Minimum Resolution	: 0.1°C for Dew Point / 1 PPM for Moisture
Display	: Alphanumeric LCD
Flow Rate to sensor	: 2 to 5 LPM (optimum)
Warm up	: < 60 Seconds
Operating Temperature	: 0 to 50°C
Accuracy	: ± 2 °C
Zero Drift	: 0.2 °C
Response time	: 10 seconds
Repeatability	: 0.3°C Dew Point
Typical Response Time	: Wet to Dry (23000 to 100 PPM) : < 40 seconds Dry to Wet (100 to 23000 PPM) : < 10 seconds
Housing	: IP 65 or Ex-Proof
Terminations	: 2 mm wires
Mounting	: 2 Holes 8 mm at approx. 130 m

ORDERING INFORMATION

DPXT - 98

Parameter	0	Dewpoint
	1	Moisture PPM
	2	Humidity
Enclosure	0	Weather Proof
	1	Explosion Proof
Output	0	Standard (4-20madc)
	1	RS-232 / RS-485
	2	4-20madc + RS-232/RS-485
Display	0	Without
	1	LCD

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
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