

# Dew Point / Moisture Analyzer

Field / Wall Mount Model : DP - 250



Protects **Personnel, Plant  
& Assets**



**INSTANT AND DIRECT MEASUREMENT OF DEW POINT, MOISTURE (PPM), HUMIDITY AND TEMPERATURE. A MICRO-CONTROLLER BASED PRECISION INSTRUMENT TO HELP ENSURE OPTIMUM OPERATION OF DRYING EQUIPMENT**

## TECHNOLOGY

HNL's DP - 250 is ideal for precise monitoring of moisture or dew point in air or gas output from dryers system or in process. Continuous monitoring of dew point results in reduced maintenance costs and downtime caused by separated moisture, the main cause of corrosion in pneumatic systems.

The analyzer uses a highly accurate capacitive integrated thin film water vapor sensor, and is an economic alternative to the chilled-mirror dew point type meters. It utilizes micro-controller based circuits to give a direct read out in dew point or other units and the units corresponding to sensor output based on psychometric equations.

To achieve higher accuracies, DP - 250 uses temperature compensation over complete operational range. The instrument is encased in a high impact plastic housing.

## SPECIAL FEATURES

- Alphanumeric LCD or LED digital display
- Fully temperature compensated
- Remote or integral sensor
- Capacitive thin film water vapor sensor
- Samples pressures up to 12 Kg/cm
- Optional RS-232 / RS 485 / MODBUS computer interface
- Optional datalogging facility

## APPLICATIONS

- Compressed air
- Industrial process control
- Drying system
- Protection systems
- Glove box
- Turbines
- HVAC, breathing air

**HNL Systems Pvt. Ltd.**

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( Optional )

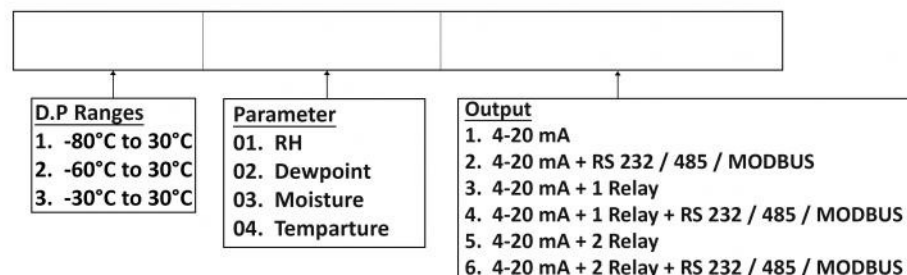


## SPECIFICATIONS

Type	Field wall mounted
Detectable gases / parameters	Moisture in air or gas, dew point, temperature, RH
Electronics / processor	Micro-controller
Power supply	230 V AC / 50 Hz
Display	Graphic LCD
Alarm	Hi for wet & Low for dry P/F Contact
Output	4-20 mA Standard, Relay
Digital Output	Data logging, RS 232 / RS 485 / MODBUS
Technology	IC Capacitive
Range	Dew Point : -80°C to 30°C & -60°C to 30°C / 0-100 % RH Temp : 0 -100 °C
Accuracy	± 2 °C
Response time	Less than 60 sec T90 Variat, 10 sec for 63% step change
Operating temperature	0 - 55 °C
Sampling	Direct plug-in
Housing	HI impact plastic
Included accessories	3m cable for sensor, sensor holder
Dimensions	254 x 180 x 90 mm

## ORDERING INFORMATION

DP - 250



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