

FIXED DEW POINT ANALYZER

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



DPCI 60

DEW POINT / MOISTURE ANALYZER

ENDEE Model DPCI 60 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 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 psychrometric equations. To achieve higher accuracies, DPCI 60 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 data logging facility

APPLICATIONS

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

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

Model No.

DPCI 60

Output :

1. 4-20 mA
2. 4-20 mA + RS 232 / 485 / MODBUS
3. 4-20 mA + 1 Relay
4. 4-20 mA + 1 Relay + RS 232 / 485 / MODBUS
5. 4-20 mA + 2 Relay
6. 4-20 mA + 2 Relay + RS 232 / 485 / MODBUS

*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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