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TECHNOVATION ANALYTICAL INSTRUMENTS PVT. LTD.

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ISO 9001:2015

UNICERT
ISO 9001



Cert. No. QMS0720020347

MODEL MTX-1P

PORTABLE DIGITAL DEW-POINT METER

THE INSTRUMENT

The TECHNOVATION MODEL MTX-1P DEWPOINT METER is portable, and measures ppm of water vapor in 'dry' air or gas and digitally displays the consequent dewpoint temperature in the range -100°C dp to -0°C dp. The ppm H₂O equivalent of dewpoint °C is viewable using the push-button switch.

Model MTX-1P uses a 4-20mA moisture transducer which has a NIST traceable calibration certificate. It is known for its superior performance, simplicity of use and long service life.

FEATURES

- Digital Display in °C dp and in ppm H₂O equivalent.
- Sensor desiccator keeps the sensor dry for quick response at low ppm
- Highly stable and reliable sensor
- On/Off, LOW-BATT, Under-range, Over-range and Stable response indicators.
- Desiccant Removable, Replaceable, Regeneratable
- One alarm provided with relay contacts.
- Recorder output provided: 0-1 volt or 4-20mA.
- Resistance to pressure shock.
- Suitable for corrosive gases, up to 5 ppm of Cl₂ & 1000 ppm of NH₃
- Inbuilt pressure reducer & gauges **optional**

APPLICATIONS

Process gas monitoring, Quality assurance, R&D applications, Pure gas ppm H₂O analyser, glove boxes. Ultra high purity gas moisture measurement.

PRINCIPLE OF OPERATION

The instrument uses a NIST traceable transducer and can be calibrated easily for the parameter used. Sensors are easily interchangeable and replaceable. Stored calibration data, in an on board processor memory, ensures optimum calibration accuracy.

STANDARD SPECIFICATIONS

| | |
|-----------------|--|
| Range | : - 100°C dp to 0°C dp |
| Display | : 5 Digit, LED 12mm high. |
| Sensortype | : Ceramic, 4-20mA transducer |
| Accuracy | : + 3°C dp. |
| Resolution | : 1°C dp steps |
| Power | : Rechargeable battery, 12V X 1.2 Ah capacity. |
| Battery Voltage | : Switch for viewing with low battery alarm |
| Flow indicator | : Indicator provided. |

LOW-COST DURABLE ACCURATE WITH AFTER-SALES-SERVICE



TECHNOVATION[®] MODEL MTX-1 P

STANDARD SPECIFICATIONS CONTINUED

| | |
|----------------|--|
| Flow Rate | : 5 to 6L/min recommended. |
| Inlet pressure | : 1 kg/cm ² max if no pressure reducer provided. |
| Box size | : 18W X 34H X 34B cm approx |
| Weight | : 9 kg nett. with pressure reducer & gauges |
| Box material | : Aluminum sheet, powder coated. |
| Alarm | : Activates above set point. adjustable by user through out range. |
| Alarm relay | : Has one set of potential free contacts of 50VA. i.e., NO, C, NC |

ACCESSORIES

Manual, Carrying case, Desiccant & Mains cord.

OPTIONS (specify while ordering)

| | |
|-----------------|---|
| Power | : Can be supplied to work on 220 VAC mains only |
| Recorder Output | : Either 0-1 volt or 4- 20mA |

Optional Extras

| | |
|------------------|---|
| Pressure reducer | : Single stage type. SS316, For max Inlet pressure 150Kg/cm ² along with sample gas inlet & outlet gauges. |
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