



TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001 : 2000 by



CERT. NO. 217910

MODEL MTX-1P

THE INSTRUMENT

The TECHNOVATION MODEL MTX-1P DEWPOINT METER is portable and measures ppm of water vapour 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 dessicator 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 4-20 mA.
- Resistance to pressure shock.
- Suitable for corrosive gases, up to 5ppm 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 tracable transducer and can be calibrated easily for the parameter used. Sensors are easily interchangeable and replacable. 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.
Sensor type	: Ceramic, 4-20mA transducer
Accuracy	: ± 3°C dp.
Resolution	: 1°C dp steps
Power	: Rechargeable battery, 12V X 1.2 Ah capacity.

PORTABLE DIGITAL DEW-POINT METER

LOW-COST DURABLE ACCURATE WITH AFTER-SALES-SERVICE



TECHNOVATION® MODEL MTX-1P

STANDARD SPECIFICATIONS CONTINUED

Battery Voltage : Switch for viewing with low battery alarm

Flow-rate indicator : Indicator provided.

Flow Rate : 5 to 6 l/min recommended.

Inlet pressure : 1 kg/cm² max if no pressure reducer provided.

Box size : 18Wx34Hx34B 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

Carrying case, Desiccant & Mains cord.

OPTIONS

Power : Can be supplied to work on 220 VAC mains only.

Recorder Output : Specify either 0-1 volt or 4-20mA

Optional Extras

Pressure reducer : Single stage type. SS 316, For max Inlet pressure 150Kg/cm² along with sample gas inlet & outlet gauges.