



## TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001: 2000 by



CERT. NO. 217910

### MODEL MTX-1 OL

#### THE INSTRUMENT

The TECHNOVATION MODEL MTX-1OL DEWPOINT METER 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 H<sub>2</sub>O equivalent of dewpoint °C is viewable using the push-button switch.

Model MTX-1 OL 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 H<sub>2</sub>O equivalent.
- Highly stable and reliable sensor
- Sensor mounted in SS 316 holder at remote location.
- Max separation between sensor & instrument panel is 10 meters
- Instrument control/display module is panel mounted.
- On/Off, Under-range, Over-range and Stable response indicators.
- One alarm provided with relay contacts.
- Recorder output provided: 0 -1 volt or 4-20 mA.
- Sensor resistant to pressure shock.
- Sensor suitable for corrosive gases, up to 5 ppm of CL<sub>2</sub> & 1000 ppm of NH<sub>3</sub>

#### APPLICATIONS

Process gas monitoring, Quality assurance, R&D applications, Pure gas ppm H<sub>2</sub>O analyser & glove boxes. Ultra high purity gas moisture measured.

#### PRINCIPLE OF OPERATION

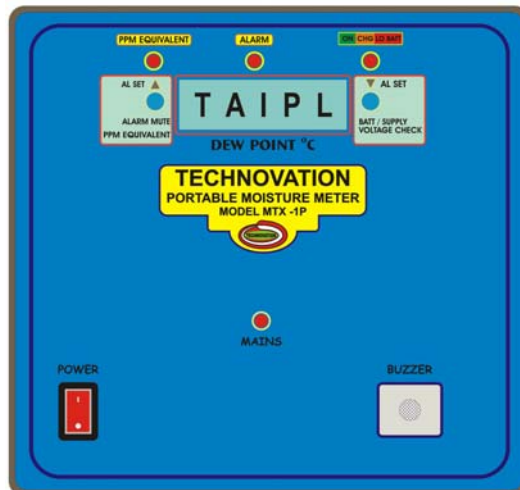
The instrument uses a NIST traceable transducer and can be calibrated easily for the parameter used. Sensors are easily interchangeable and replaceable. Stored calibration data, in an on board processor memory, ensures optimum calibration accuracy.

#### STANDARD SPECIFICATIONS

|             |                               |
|-------------|-------------------------------|
| Range       | : - 100°C dp to 0°C dp        |
| Display     | : 5 Digit LED, 12 mm high.    |
| Sensor type | : Ceramic, 4-20mA transducer  |
| Accuracy    | : ± 3°C dp.                   |
| Resolution  | : 1°C dp steps                |
| Power       | : 230 VAC , 50 Hz             |
| Flow Rate   | : 5 to 6 l / min recommended. |

### ONLINE DIGITAL DEW-POINT METER

LOW-COST DURABLE ACCURATE WITH  
AFTER-SALES-SERVICE



### TECHNOVATION® MODEL MTX-1 OL

#### STANDARD SPECIFICATIONS CONTINUED

|                   |   |
|-------------------|---|
| Sensor holder     | : SS-316 block.   |
| Cable Length      | : Standard 2 mts, indicate in order for required length to a maximum of 10 mts. |
| In/outlet Fitting | : 1/8" OD tube, Double ferrule compression fitting.                             |
| Inlet pressure    | : Max 150 kg/cm <sup>2</sup> , if pressure reducer provided.                    |
| Box size OH       | : 21W X 19H X 28D cms   |
| Cutout size       | : 18.5 H X 18.5 W cms   |
| Weight            | : 1.5 Kg - Excluding sensor holder.   |
| Enclosure type    | : M.S Powder coated, panel mounting type.                                       |
| 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

Instruction manual, Mains cord, Sensor holder with cable & panel mounting clamps.

#### OPTIONS

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

#### Optional Extras

Pressure reducer : Single stage type. SS 316, For max Inlet pressure 150Kg/cm<sup>2</sup> along with sample gas inlet & outlet gauges.