



ohmic instruments co.

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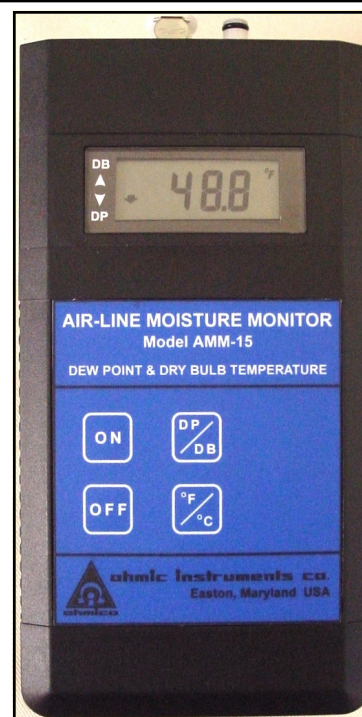


INDUSTRIAL & ENVIRONMENTAL SENSORS, INSTRUMENTS & CONTROLS SINCE 1969

**DEW POINT METER- MODEL AMM-15
PORTABLE METER MEASURES THE PERFORMANCE OF AIR DRYING SYSTEMS**

- MICROPROCESSOR BASED PORTABLE BATTERY OPERATED INSTRUMENT
- DIGITAL DISPLAY -40 TO +80°F DEW POINT
- ±2°F FROM +20 TO +80°F
- ±4°F FROM -40 TO +20°F
- SAMPLES COMPRESSED AIR UP TO 120 PSIG
- QUICK CONNECT FITTINGS, FILTER, CONNECTION TUBING AND OTHER ADAPTERS SUPPLIED
- UTILIZES HC-610 THIN FILM POLYMER INTEGRATED WATER VAPOR SENSOR
- RS-232 COMPUTER INTERFACE, DATA LOGGER.
- LOGS 2,860 READINGS, SELECTABLE LOGGING RATE

**Ideal for site surveys and compliance to ANSI/NFPA-99
"Air Quality in Hospitals and Health Care Facilities".**



INSURE YOUR DRYING SYSTEM IS PROVIDING OPTIMUM DEW POINT

OHMIC Instruments' Model AMM-15 portable Dew Point Meter is designed to measure the performance of drying systems for air, nitrogen and other compressed gases. Model AMM-15 is ideal for monitoring medical, commercial and industrial applications including: Plastics resin dryers, breathing air, pneumatic tools, instrument air, and spraying/coating applications.

The model AMM-15 measures dew point by utilizing microprocessor circuitry to convert the voltage output of OHMIC's HC-610 precision water vapor sensor and a temperature sensor to dew/frost point temperature by the use of psychrometric equations. Assembled in a rugged hand-held ABS plastic enclosure and equipped with quick disconnect tubing couplings and an internal sensor manifold. An orifice maintains line pressure for true pressure dew point readings. Air or industrial gases are sampled from receivers, pipes, and hoses up to 120 PSIG and 185°F.

In addition, heat sink tubing is available for sampling from drying systems and ovens up to 550°F (depending on ambient temperature). The AMM-15 can also be connected to a vacuum pump for sampling from piping, ovens, tanks or manifolds operating at ambient or low pressure.

The accuracy of the AMM-15 is consistent with chilled mirror hygrometers costing thousands of dollars more. Each unit is calibrated to NIST traceable standards and supplied with a *Certificate of Calibration* with functional test data.

Utilizing the AMM-15 to monitor plastic resins assures that the drying equipment provides the performance for consistent high quality injection molded products. Periodic monitoring of industrial air systems results in reduced maintenance costs and avoids downtime caused by freeze-ups and separated water, the leading causes of corrosion in pneumatic systems.

WARRANTY: All products manufactured by OHMIC Co. are warranted to be free of defects in material and workmanship for one year after delivery. Any equipment found to be defective within this period will be repaired or replaced free of charge.

SPECIFICATIONS: AMM-15

Water Vapor Sensor	HC-610 (Integrated Thin Film Polymer)
Temperature Sensor	10K NTC Thermistor
Dew Point Range	-40 to +80 °F (-40 to +27°C)
Dry Bulb Temperature Range	0-200 °F (-18 to 93°C)
Dew Point Accuracy	±4 °F Dew point from -40 to +20°F ±2 °F Dew point from +20 to +80°F
Dry Bulb Accuracy	±1 °F
Maximum Inlet Temperature	185°F. Heat Sink Tubing Permits Maximum Inlet Temperature to 550 °F (depending on ambient temp.).
Sensor Response Time	10 Seconds for 63% Step Change
Display Type	3-1/2 Digit LCD; 0.5"
Analog Outputs	0 to 1 Vdc
Power	6 VDC, (4) AA Batteries & 120 Vac Adapter
Battery Life	35 Hours Nominal
Inlet Sample Port	Quick Disconnect for 1/4" OD Tubing
Inlet Pressure	120 PSIG Max
Computer Interface	Bi-Directional RS-232. ASCII Delimited Format, 9600 Baud, 8 Bits, 1 Stop, 1 Start, No Parity
Software Required	HyperTerminal or PROCOMM.
Data Logger	32 KByte, Non-Volatile Memory
Internal Clock	MM:DD:YY HH:MM:SS Military Time Format
Dimensions	8.25" x 4.0" x 1.6", ABS Plastic Enclosure
Weight	2 Pounds Net

ORDERING INFORMATION

AMM-15: Portable Dew-Point Meter/Logger with carrying case, connection parts, filter, 120 Vac adapter.

In addition, OHMIC Instruments has dew/frost point station monitoring units with alarm features, portable dew point monitors with built-in sampling pumps, and kits for economically testing and installation in OEM dryer panels.

ENGINEERING SUPPORT: OHMIC Instruments Co. designs and manufactures a full line of environmental sensors, instruments, controllers, and bio-medical test equipment. Many of our products are custom designed to meet specific requirements. Our engineers, will be pleased to discuss your application.



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