

AUTOMATIC DEWPOINT METER

**A portable hygrometer for rapid moisture checks
or continuous use on flowing gas or air.**



S.A.D.P. FEATURES

- **Measures moisture in air or gas samples with positive pressure.**
- **Accurately calibrated and ready for use.**
- **A guaranteed accuracy better than one p.p.m. moisture in dry air.**
- **Intrinsically safe as standard.**
- **Reads dewpoint temperature and p.p.m. moisture in air or gas.**
- **Fast, one second for 99% response, 'dry to wet'.**
- **5 second user accuracy check in room air-unique to Shaw.**
- **Automatic dry down and calibration.**
- **Comes complete with High Quality Carry Case.**

Easily portable, ready for spot checks or continuous use, this battery powered hygrometer indicates both dew point temperatures and water vapour to less than one part per million, on the large meter dial. As the reading is specific to water vapour, calibration is accurate for different gases. Accuracy is guaranteed to better than one part in a million of moisture in very dry air or gas.

The self extending head allows up to 20 litres a minute flow for clearing the air supply pipe work without wetting the test chamber. Note the absence of knobs, calibrating, cooling, and servicing as required by some other methods, and the automatic dry down measuring head which ensures quick response from the sensor.

The heart of the meter is a Shaw molecular sieve moisture sensor with a gold internal filter and gold plated exterior, a jewel of a sensor in fact with a rapid one second response time from dry to wet.(99%) Flow rate has no effect on the accurate measurement. So simple to use, blocking the outlet with a finger for a moment raises the measurement head.

Easy calibration check in seconds by Shaw Automatic Calibration.

Each SADP hygrometer has three weeks of daily laboratory checks at Bradford, subject to stringent ISO9002 quality control and is traceable to NPL. Every meter is CE marked and is certified intrinsically safe to : BASEEFA 2001 Certificate No: baseefa03ATEX0065X (mII G EEx ia IIC T6.) FM Pending.

SPECIFICATION

Quality stove enamelled zinc plated steel. 202mm wide,225mm deep,276mm high. With head extended 320 mm. high, Weight app. 5 Kgs. High quality padded carry case, Small screwdriver and Allen key. Two metre length of PTFE (Teflon) flexible sample pipe. Free Slide rule circular indicator for Fahrenheit. Water vapour pressure. ppm water, Pounds water per million cubic feet. Milligrammes water per litre. Accurately calibrated and ready for use. One calibration for different gases. Certificated intrinsically safe. Quality to ISO9001:2000.

The SADPG model (illustrated) is undoubtedly the world's most popular dry air hygrometer. -80/0 degrees c. dew point.

Other ranges to order. Model SADPP -100/0. c. dp Model SADPR - 80/-20. c. d.p.

Dry air hygrometers, scaled in dewpoint, milli-bars and pascals, Peltier cooled mirror hygrometers and Shaw Automatic Calibration were invented by Leonard Shaw, Honorary Professor of Hygrometer Technology, The Royal Institution of Great Britain.