



MOISTURE METERS

Shaw Moisture Meters Product Guide

Shaw Moisture Meters has been manufacturing dewpoint meters, hygrometers and moisture analyzers for industrial and commercial applications for over 60 years. We design and manufacture measurement solutions for a wide range of industries including power generation, semi-conductor manufacture and pharmaceuticals. An important part of our service is to ensure you receive the right product for your application every time.

For further information on our products please visit www.shawmeters.com.

Portable Dewpoint Meters

SDHmini/SDHmini-L

A hand held hygrometer for quick and reliable spot-check measurements of dewpoint and trace moisture content for industrial applications.

- User selectable engineering units - °C, °F, ppm(V), ppm(w), g/m³, lb/MMSCF
- Accuracy of ±2 °C (±3.6 °F)
- Robust and lightweight
- Intuitive menu structure
- Advanced data logging and download to PC



SDHmini-Ex

Incorporates signal conditioning circuitry, memory management and a full colour graphics LCD.

- Certified intrinsically safe to ATEX, IECEx and UL standards
- AutoCal and desiccant dry down assembly
- Bluetooth connection/printing
- Rechargeable battery - over 150 hours of continuous operation on full charge
- 10 language options
- Certificate of Calibration traceable to NPL



SADP

Self-contained, robust, reliable portable dewpoint meter, certified intrinsically safe to ATEX and IECEx standards.

- Guaranteed accuracy ±3 °C to ±4 °C (±5.4 °F to ±7.2 °F) dewpoint
- Analogue display - °C, °F and ppm(V)
- AutoCal feature
- Desiccant dry-down for instantaneous readings
- Over 150 hours continuous operation



SADP-D

Fully portable, digital dewpoint meter for trace moisture measurement.

- Large, easy to read LCD indicator scaled in °C or °F dewpoint
- Intrinsically safe to ATEX and IECEx standards
- Standard "C" type battery operation
- Supplied ready for use
- Simple to operate



Inline Moisture Analyser

Superdew 3

A single channel inline hygrometer designed to measure dewpoint in process gases and compressed air. The panel mounted enclosure provides panel protection to IP54.

- Linear isolated 4-20 mA retransmission signal, adjustable span
- Universal input: 90-250 V AC (24 V DC option available)
- User selectable digital indication in °C, °F, ppm(V) or lb/MMSCF
- Two alarms (view/adjust set-points from front panel)



Dewpoint Sensor

Dewpoint Sensor

The SHAW dewpoint sensor is to be used in conjunction with a Shaw Moisture Meters hygrometer. Certified intrinsically safe to ATEX and IECEx. The Certificate of Calibration is traceable to the NPL.

Ranges available:

- Purple: -100 to 0 °C (-148 to +32 °F) DP 0 - 6,000 ppm
- Silver: -100 to -20 °C (-148 to -4 °F) DP 0 - 1,000 ppm
- Red: -80 to -20 °C (-112 to -4 °F) DP 0 - 1,000 ppm
- Grey: -80 to 0 °C (-112 to +32 °F) DP 0 - 6,000 ppm
- Blue: -80 to +20 °C (-112 to +68 °F) DP 0 - 23,000 ppm



Dewpoint Transmitters

AcuDew

Compact, 2 wire, 7-28 V DC, 4-20 mA dewpoint transmitter designed to meet the stringent demands of industrial applications.

- Various dewpoint ranges available: from -120 °C to +20 °C (-184 °F to +68 °F) dewpoint
- Output configurable in °C dewpoint, °F dewpoint, ppm(V), ppb(v), g/m³ and lb/MMSCF
- Signal output up to 1,000 metres
- Weatherproof rating IP66/NEMA 4X
- Compatible with: AcuLoop, AcuVu, AcuTrak displays and the sample systems



SDT-Ex

Dewpoint transmitter certified intrinsically safe to ATEX and IECEx standards for use in hazardous areas using a signal isolator.

- Weatherproof rating IP66 NEMA 4X
- Accuracy ±2 °C (±3.6 °F) dewpoint
- 3 wire, 24 V, 4-20 mA
- Open/short circuit detection
- Supplied with Certificate of Calibration traceable to NPL



Sample Systems

SU2

A sample system for gas or general compressed air sampling, designed for use with the SADP and SADP-D.

The SU2 sample system is a simple and effective conditioning panel which ensures that the sample pressure and flow is suitable for dewpoint measurement.

Simple to set up and install, the SU2 sample system comprises of a stainless steel pressure regulator and flow meter mounted on a powder coated back plate.



SU3

SU3 sample plate designed for use with the SADP and SADP-D.

A very simple and effective conditioning panel which ensures that the sample pressure and flow is suitable for dewpoint measurement.

Simple to set up and install, the SU3 comprises of a filter unit, pressure regulator (200 bar) and flow meter on a sample plate and can be attached to the side of the SADP/SADP-D dewpoint meter.



SDH-PSS

The SDHmini Portable Sample System is an effective, self-contained sampling system designed for use with the range of SDHmini portable dewpoint meters*.

With instrument docking arrangement, pressure regulator, adjustable sample flow, optional particle filter and stainless steel chassis, fittings and pipework.

* NOTE: dewpoint meter not included



SWS-SD3

SWS-SD3, designed for gas or general compressed air sampling and allows the sensor to operate at ideal sampling conditions.

Housed in an IP65 weatherproof cabinet, the SWS-SD3 sample system combines a pressure reduction control, sensor holder and a flow meter for up to 10 litres per minute (1-2 litres is usual for continuous use).



SU4

Designed for use with inline dewpoint instruments. the SU4 combines a stainless steel pressure regulator, flow meter and sensor holder mounted on a back plate.

Moisture measurement under pressure will not give the correct answer but room pressure used in the SU4 will read correctly.

The SU4 comes with pneumatic connections with a choice of 1/8", 1/4" or 6 mm compression fittings available if required, for inlet and outlet.



SSNGH

Suitable for clean, sweet, Natural Gas and is just one of a range of sample systems for Natural Gas applications.

Other systems offering fast loop bypass, high pressure sample return and the ability to cope with dirty or condensate laden samples are also available.

These systems are tailored to specific customer requirements.



Sales & Service Support

When you buy from Shaw Moisture Meters, the service you receive continues after delivery of your product. We have a global network of offices, authorised distributors and representatives with experienced technical sales and service personnel.



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