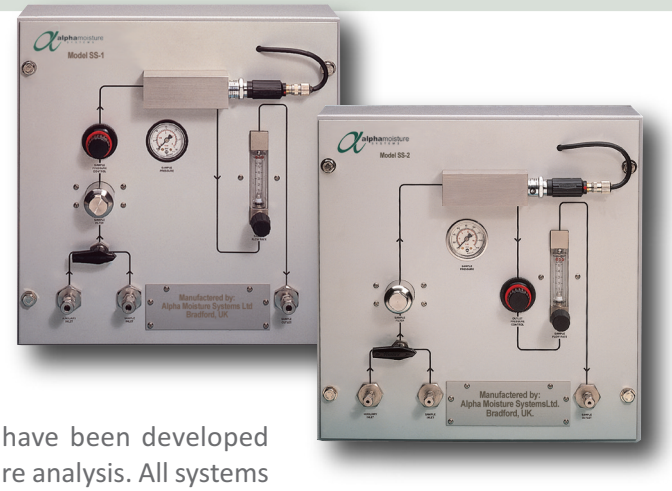
Model SS-1 and SS-2

Standard Low Pressure Dewpoint Sample Systems



Sample Systems are engineered solutions for extracting and analysing a representative sample of the process air or gas which is then either vented to atmosphere or returned to the process.

Professionally built - Easy to install - Rugged - Compact Design.

Alpha Moisture Systems' range of sample systems have been developed through many years of experience in industrial moisture analysis. All systems are built using the highest quality components to ensure long term performance and reliability even in the toughest of applications.

FEATURES

- Sample inlet pressure up to 50barg max
- Transmitter/Sensor operating at atmospheric pressure for SS-1 and system pressure for SS-2
- Process and auxiliary sample inlets with manual selection valve
- Outlet connection for sample recovery or disposal
- Particulate filtration, 99.99% to 0.6 microns pressure control and indication
- Sample flow control and indication, 0-5 l/min (0-10.6 SCFH)
- Sample flow schematic and component labelling on front panel
- Panel or surface mounting with optional weatherproof enclosure
- Can be situated in a hazardous Ex environment

The following three hygrometers, below and overleaf, can be used with the low and high pressure sample systems SS-1 to SS-4.

The AMT Transmitter, or Sensor ranges are available between -110°C to +20°C T_d. The Automatic Calibration (AutoCal) function comes as standard on all hygrometer systems.

The Display Panel can be located in a control room up to 1km from the system and comes with two fully programmable alarms with relays and annunciator LEDs.

DS1200-AMT Hygrometer

Model DS1200-AMT hygrometer system with standard display is designed for continuous use in non-Ex applications.

The **Model AMT Transmitter** is a two wire 4-20mA loop powered transmitter.

For more details see Data Sheet DS1200-AMT.

Model 6020 Hygrometer

Model 6020 Hygrometer is the next level of online dewpoint hygrometers. Based on the well proven, industry leading, ultra-high capacitance aluminium oxide sensor, the Model 6020 is fully loaded with features and functions to make it a most versatile addition to the Alpha Moisture Systems range of trace moisture dewpoint analysers.

For more details see Data Sheet Model 6020

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DS4000-AMT Hygrometer

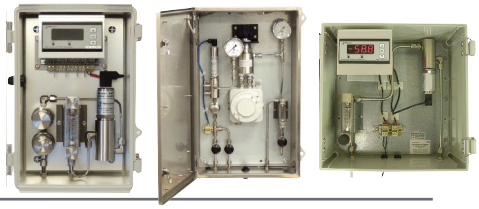
DS4000-AMT is our latest addition to the Hygrometer family, again perfect for non-hazardous continuous measurement applications.

The **AMT Transmitter** is a two wire 4-20mA transmitter with Automatic Calibration (AutoCal)

Like the Model 6020, the DS4000 has many more functions and features compared with the standard DS1200 display.

For more details see Data Sheet DS4000-AMT.

All Sampling Systems are custom made to order with a fast turnaround to exact customer requirements -
For more information on these please call us on **+44 (0) 1274 733 100**
or Email: **info@amsystems.co.uk**



Specifications

MODEL SS-1 and SS-2 Sample Systems

Low Pressure Sample System - Maximum inlet pressure up to 50 barg (725PSI), with sensor operating at atmospheric pressure in SS-1, system pressure for SS-2.

The system provides for all necessary pressure and flow control and includes sample filtration to protect against particulate contamination. Auxiliary inlet connection is provided for a second sample stream or for injection of a calibration gas. An outlet connection point is also included to allow sample recovery or controlled disposal.

The **Model SS-1** and **SS-2** can be ordered with a surface mounting, weatherproof (IP66) enclosure, this should be stated at time of order.

Technical Data:-

PRESSURE REGULATOR: Up to 50bar (725 PSI) Maximum
FLOW METER: 0-5 litres per minute (0-10.6 SCFH)
PROCESS CONNECTIONS: 1/8", 1/4" or 6mm pipe
SAMPLE PRESSURE GAUGE: Up to 50bar
PIPEWORK: All Stainless Steel
DIMENSIONS (HxWxD): 350 x 345 x 150mm approx
WEIGHT: approx 9kg (20 pounds)

SEE RELEVANT DATASHEET FOR HYGROMETER SPECIFICATIONS

Our standard range of Sample Systems shown here is designed to cater for most applications, however if your particular requirements are not met by any of those shown, our design engineers would only be too happy to advise and custom design to your exact requirements.

Reliability, serviceability and well planned layout are of paramount importance in a sampling system. In view of this, all our systems are constructed to the highest standards using quality components and with the following general features :-

- Sample pipework and components built onto aluminium front panel for support and neat layout.
- Clear flow schematic on front panel with labelling of all major components.
- Modular construction for panel, surface or weatherproof mounting.
- All pipework in stainless steel using high quality compression fittings, also of stainless steel.
- All internal electrical connections wired to main terminal block.

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Product specification may be subject to change.

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