



UK  
CA  
CE

### Features and Benefits

- ◆ Incorporates ATEX certified heated pressure regulators
- ◆ Inlet pressure up to 210 barg
- ◆ Sensor operates at inlet or atmospheric pressure
- ◆ Process and auxiliary inlet with manual selector valves
- ◆ Sample inlet and outlet pressure indication
- ◆ Electrically heated pressure regulators for control of sample

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

**Manufactured to exact specifications**

The **SS-TEG** is a sample system designed to present a sample of Natural Gas to the Dewpoint Transmitter of a moisture analyser when TEG or heavy hydrocarbon condensate may be present, typically *downstream* of a glycol contactor.

The system includes particle filtering, pressure control and flow control to condition the sample for presentation to the moisture sensor, which is incorporated into the system.

It can either be configured so that the pressure is reduced upstream of the sensor for measuring atmospheric pressure dewpoint or moisture concentration (SS-TEG model), or so that the pressure is reduced downstream of the sensor for disposal after measuring the dewpoint at sample pressure (SS-NGH-P model).

Standard



Advanced



### Recommended Dewpoint Hygrometers for use with SS-TEG Sample System

**DS1200-AMT-Ex** intrinsically safe standard dewpoint hygrometer can be used with the **SS-TEG sample systems**. This hygrometer incorporates a 4-20mA transmitter with various ranges available between -110 °C to +20 °C Td.

The AMT-Ex has an **Automatic Calibration (AutoCal)** function as standard.

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

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

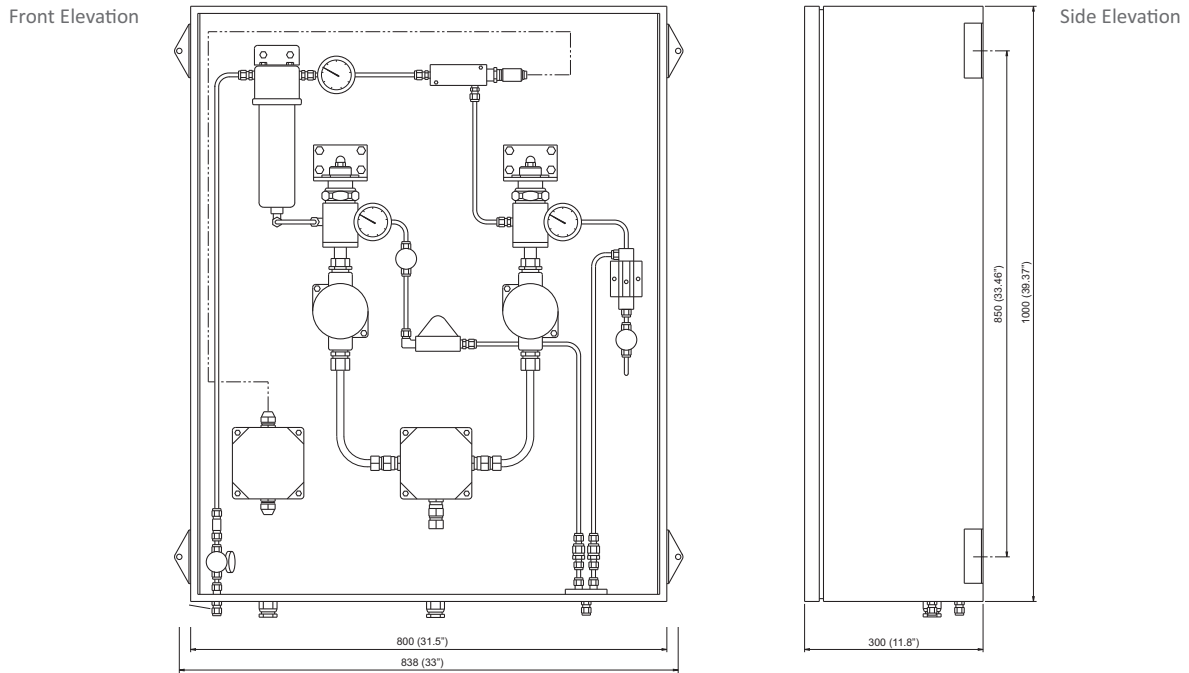
The DS4000 has many more advanced functions and features compared with the standard DS1200 display.

### SS-TEG - Dewpoint Sampling System Technical Data

Weather Proofing	IP66 rating
Pressure Regulator	210 bar (3,045 PSI) Maximum
Sensor Holder	316 Stainless Steel
Pressure Gauges	Inlet, Sample and Bypass as standard
Pipework	All Stainless Steel
Fittings	All Stainless Steel
Dimensions (HxWxD)	Approx 1000 x 840 x 300 mm
Weight	Approx 75 kg (165 pounds)

## Dimensions

### Model SS-TEG Drawing Schematic Example



The heated regulators incorporated in the system can be installed for 115 VAC or 230 VAC operation, as specified on order.

**DS4000 Hygrometer Display Technical Specifications** - See Datasheet - Document No. 3037

**DS1200 Hygrometer Display Technical Specifications** - See Datasheet - Document No. 3039

## How to order

### Standard or Made to Measure Natural Gas TEG Dewpoint Sample Systems



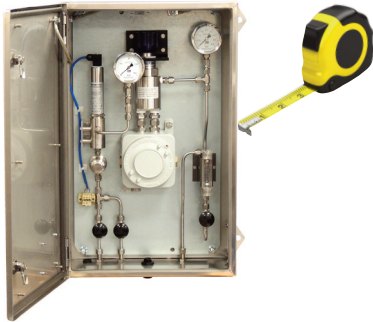
**Please Contact us to discuss your exact requirements with our experienced Technical Sales Engineers.**

Dewpoint measurement requirements within the Natural Gas Sector can be complex and applications differ greatly from site to site. We offer a **"Make to Order"** service for all our Sampling Systems of any size and complexity.

**Please Call +44 (0)1274 733 100 or Email: [info@amsystems.co.uk](mailto:info@amsystems.co.uk) to discuss your exact requirements.**

## Related Products

### Standard SS-NGH Sample System or Made to Order



The **Model SS-NGH** Dewpoint Sample System has been designed for sampling Natural Gas where there is no risk of contamination by glycol.

The **Model SS-NGH** is a standard sampling system but can be modified to suit customer's exact requirements large or small and complex applications.

1888 AMT-Ex pd210923-Iss-6

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Product specification may be subject to change.

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