The **Model SS-NGH** Dewpoint Sample System has been designed for sampling clean, dry Natural Gas.

**Professionally built - Easy to install -**

**Rugged - Compact Design.**

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 (SSNGH), or so that the pressure is reduced downstream of the sensor for disposal after measuring the dewpoint at sample pressure (SSNGH-P).

### FEATURES

- Incorporates ATEX certified heated pressure regulator
- Sample inlet pressure up to 200barg max
- Sensor operates at inlet or atmospheric pressure
- Process and auxiliary inlet with manual selector valves
- Sample inlet and outlet pressure indication
- Sample flow control and indication

### Recommended Dewpoint Hygrometers

**Model DS1200-AMT-Ex**

- In the same way, the **Model DS1200-AMT-Ex** intrinsically safe dewpoint hygrometer can be used with the **Model 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 **Auto-Calibration** as standard.
- For more details see Data Sheet DS1200-AMT-Ex.

**Model DS2000**

- The **Model DS2000** like the AMT-Ex, can be used with the **Model SS-TEG dewpoint sample systems**. Various ranges are available between -110°C to +20°C Td. This unit is also perfect for continuous on-line dewpoint measurement in clean, dry Natural Gas.
- For more details see Data Sheet DS2000-Sensor.

**Model 6020**

- **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.

For all **Ex Applications** the display is installed into the safe area/zone with a Zener Barrier or Ex Isolator.
**Specifications**

- **WEATHER PROOFING:** IP66 rating
- **PRESSURE REGULATOR:** 210bar (3,045 PSI) Maximum
- **FLOW INDICATOR:** 5 litres per minute (0-10.6 SCFH)
- **SENSOR HOLDER:** 316 Stainless Steel
- **PRESSURE GAUGE (Inlet):** Standard gauge 0 - 160bar (0 - 2320 PSI)
- **PRESSURE GAUGE (Outlet):** Standard gauge 0 - 4bar (0 - 58 PSI)
- **PIPEWORK:** All Stainless Steel
- **DIMENSIONS (HxWxD):** 600 x 418 x 210mm approx
- **WEIGHT:** approx 9kg (20 pounds)

**How to Order**

Natural Gas Sample Systems

Please call us to discuss your exact requirements with experienced Technical Sales Engineers. Dewpoint measurement requirements within the Natural Gas Sector can be complex and applications differ greatly from site to site, this is why we offer a Consultation and a "Made to Order" service for all our Dewpoint Sample Systems.

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

**Model SS-NGH Drawing Schematic Example**

![Model SS-NGH Drawing Schematic Example](image)

**RELATED PRODUCTS**

Standard TEG Sample System or Made to Order

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

The ATEX certified heated regulators incorporated in the system are dual voltage 115VAC/230VAC.