

SSNGH Natural Gas Sample System

The SSNGH sample system is 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. Please contact us for further details.

Common factors in many Natural Gas applications are extreme environmental conditions, high levels of contamination and high process pressures often with the process stream in liquid phase.

SSNGH sample system is constructed using high quality components. This robust and compact design is easy to install and utilises SHAW dewpoint sensor technology.

The sample system and the dewpoint sensor can be housed in hazardous areas with the trace moisture analyser and zener barrier in the safe area.

All SHAW sample systems are suitable for the SHAW range of portable dewpoint meters, inline hygrometers and trace moisture analysers.



CE UK
CA


Features

- Suitable for clean, sweet Natural Gas
- Inlet pressure up to 240 barg
- Sensor operates at atmospheric or line pressure
- Process and auxiliary inlet with manual selector valves
- Sample inlet and outlet pressure indication
- Sample flow control and indication
- Electrically heated pressure regulator for control of sample
- System certified for use in hazardous areas
- Utilises the SHAW dewpoint sensor technology
- Made with high quality components to high standards of workmanship
- Housed in IP66 rated stainless steel weatherproof enclosure as standard
- All parts made from stainless steel
- Filter, pressure regulator and sample conditioning to suit specific applications and requirements

Specifications

- Accuracy:**
 Meter:
 Sensor: For sensor accuracy see sensor specification sheet
- Type:**
 IP66 weatherproof housed sensor holder for wall or pedestal mounting including sample system comprising three port sample selection valve, filter unit, pressure regulator, flow indicator, sensor holder and sensor.

 Electrical connections through 1 x STB 16 gland (mains) and 3 x M13 glands (signal lines) to terminal rail.

 Pneumatic connections to 3 x 1/8" NPT bulkhead fittings with a choice of 1/8", 1/4" or 6 mm compression fittings if required.
- Approvals**

- Dimensions (overall):**
 418 mm (w) x 600 mm (h) x 210 mm (d)
- Weight:** 9 kg
- Sensor Connection**
 Low loss coax cable (75 ohms max capacitance of 50pF per metre)
- Power Supply**
 110 or 220 V AC single phase 50 or 60 Hz, 24 V DC
- Sampling**
 Input Pressure (pr): Up to 00 Bar (Lo), 200 Bar (Med), 400 Bar (Hi)
- Outputs**
 Alarms:
 Analogue:
- Calibration**
 AutoCal on all but Blue range
- Sensor**

Type (r):	Sensor Range:
P (Purple):	-100 to 0 °C DP, 0 - 6000 ppm
S (Silver):	-100 to -20 °C DP, 0 - 1000 ppm
R (Red):	-80 to -20 °C DP, 0 - 1000 ppm, 0 - 10 on TR version, (AutoCal)
G (Grey):	-80 to 0 °C DP, 0 - 6000 ppm
B (Blue)*:	-80 to +20 °C DP, 0 - 23,000 ppm (ManualCal)

Ordering Information

Model SSNGH®

R - Choose required range:

P (Purple):	-100 °C to 0 °C dewpoint	0 - 6,000 ppm(V)
S (Silver):	-100 °C to -20 °C dewpoint	0 - 1,000 ppm(V)
R (Red):	-80 °C to -20 °C dewpoint	0 - 1,000 ppm(V)
G (Grey):	-80 °C to 0 °C dewpoint	0 - 6,000 ppm(V)
B (Blue):	-80 °C to +20 °C dewpoint	0 - 23,000 ppm(V)

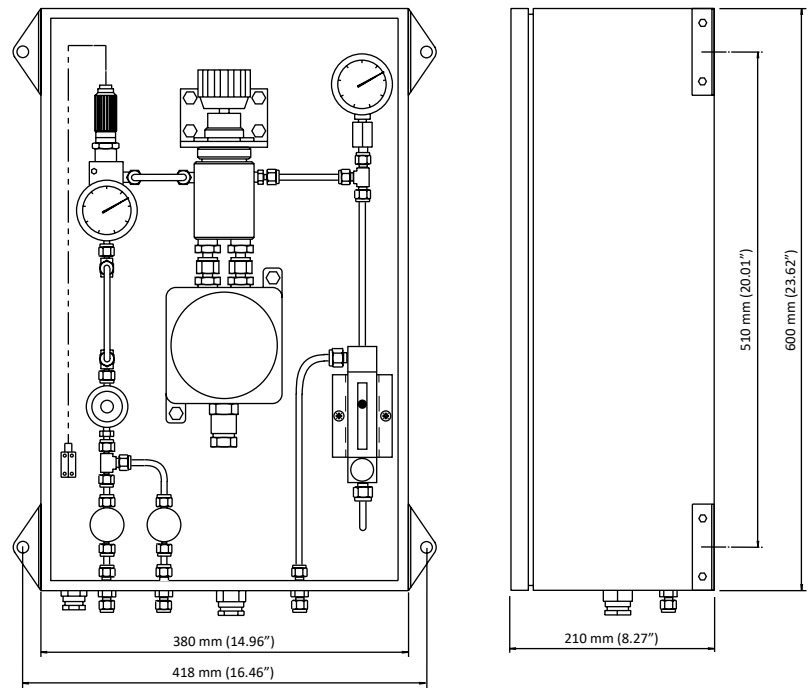
F - Choose fitting size for sensor holder:

- 4 - 1/4"
- 8 - 1/8"
- 6 - 6mm

Example:

To order a Model SSNGH with a measuring range of -80 °C to 0 °C dewpoint (grey sensor) with 1/8" fitting, please order as **SSNGH-G-4**

SSNGH Sample System Diagram



Includes as standard:

IP66 rated stainless steel cabinet, particle filter and cartridge, heated pressure regulator, sensor, sensor cable, sensor holder, pressure gauge, flow indicator.