MOISTURE METERS

SDHmini
Portable Sample System

The Shaw Moisture Meters SDHmini Portable Sample System is designed to provide ideal sampling conditions for dewpoint measurement.

Manufactured in the UK by Shaw Moisture Meters, this unit is an effective, self-contained sampling system, which ensures that the sample pressure and flow are suitable for dewpoint measurement.

Simple to setup and install, the SDHmini Portable Sample System is fully configurable with options for a filter unit and pressure regulator on a chassis made from high quality 304 stainless steel and has been specifically designed to condition pressurised gas samples upto a maximum of 200barg (2,900PSI) for use with the SDHmini instrument range - standard, logging and intrinsically safe.

The SDHmini Portable Sample System comes complete with flow indicator, inlet and outlet connections, carrying case and instruction manual.

Features

- Designed for gas or general compressed air sampling
- Instrument docking arrangement
- Reduces inlet pressure from up to 200barg (2,900PSI)
- Adjust sample flow 0 - 10 litres per minute
- Optional particle filter with easy access for cartridge replacement
- Inlet fittings with a choice of quick connect ¼", ⅛" or 6 mm compression fittings
- Various configurations available
- Stainless steel chassis, fittings and pipework
- Overall dimensions including carrying case: 270 mm (h) x 315 mm (w) x 245 mm (d)
- Approximate weight with options added:
  - without instrument - 3.75 kg (8.3 lbs)
  - with instrument - 5.5 kg (12 lbs)
- Optional two metre braided PTFE sample hose available

Shaw Moisture Meters - Sample Systems

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

This range of sample systems has been developed through over 60 years of experience in industrial moisture analysis and all systems are built using the highest quality components to ensure long term performance and reliability in even the toughest of applications.

Our standard range of Sampling Systems can be seen at www.shawmeters.com. However, if your particular requirements are not met by any of those shown, please contact us and our engineers will be happy to advise and custom design a system for your specific application.

Dimensions

SHAW
MOISTURE METERS

Ordering Information

SDHPSS - (X) - (X) - (X) - (X)

Pressure Regulator (200barg max)	**R**
Needle Valve (10barg max)	**V**
Filter Unit	**F**
No Filter	**C**
Male Quick Connector	**Q**
Tube Fitting	**T**
2m Braided Hose with Female Quick Connector	**H**
Female Quick Connector Only	**Q**
No Connector	**N**

NOTE:
The SDHPSS comes complete with flow indicator, inlet and outlet connections and carrying case as standard.

EXAMPLE:
To order a SDH Portable Sample System with pressure regulator (**R**), filter unit (**F**), quick connector (**Q**) and 2m braided sample hose with female quick connector (**H**) order as: **SDHPSS - R - F - Q - H**

Specifications

- **Chassis**
  304 stainless steel
- **Internal Pipework**
  316 stainless steel
- **Internal Fittings**
  316 stainless steel
- **Inlet Fittings**
  Choice of quick connect ¼", ⅛" or 6 mm compression fittings
- **Flow Indicator**
  Up to 10 litres per minute
- **Optional Quick Connection (inlet) Swagelok**
  Maximum connected pressure 2,900PSI (200barg)
- **Filter Unit (when fitted)**
  High grade stainless steel with removable housing for access to replaceable filter cartridges, 0.1 micron filter cartridge
- **Pressure Regulator (where applicable)**
  High grade stainless steel
  Pressure range 0 - 200barg (2,900PSI)
- **Needle Valve (where applicable)**
  316 high grade stainless steel
- **Overall Dimensions**
  315 mm (w) x 245 mm (d) x 270 mm (h)
- **Weight**
  Without instrument - 3.75 kg (8.3 lbs)
  With instrument - 5.5 kg (12 lbs)
- **Mechanical Warranty**
  24 months in case of faulty workmanship and defective parts
- **Carrying Bag**
  Anti-static PVC foam faux leather with rubber feet