

# 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", ½" 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.

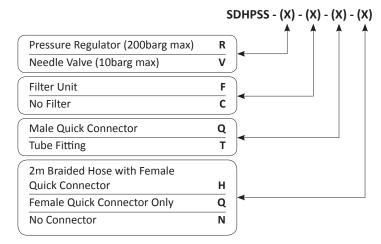
Our standard range of Sampling Systems can be seen at www.shawmeters.com. However, if your particular requirements are not met by any of those shown, please contact us and our engineers will be happy to advise and custom design a system for your specific application.

### **Dimensions**





## **Ordering Information**



#### 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

Double Toggle Zipper
Pocket for Sample Tube

Optional Particle Filter

Optional 2m Braided
Stainless Steel Hose

Optional Pressure Regulator or Needle Valve

Choice of Inlet Connections

Stainless Steel Chassis

Pocket for User Manual

SDHmini-Ex Dewpoint Meter (illustration purpose only)

Rugged Foam Padded Carry Case

Hand and Adjustable Shoulder Straps

**Instrument Attachment Fittings** 

Integrated Flow Indicator

Adjustable Secure Flap Latch

## **Specifications**

- Chassis 304 stainless steel
- Internal Pipework 316 stainless steel
- Internal Fittings
   316 stainless steel
- Inlet Fittings
  Choice of quick connect ¼", ½"
  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

## New England - ETA Process Instrumentation

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