

PSS - Portable Sample System

To pre-condition pressurised gas samples for portable Dewpoint Hygrometers



UK
CA
CE

Features and Benefits

- 💧 Compact - Portable - Rugged - Easy to Use
- 💧 Simple instrument docking
- 💧 Quick Connect option
- 💧 Integrated sample flow indicator
- 💧 Optional particle Filter Unit with easy access for cartridge replacement
- 💧 Optional 2 m stainless steel braided sampling hose

Applications

- 💧 Natural gas production and distribution
- 💧 Petrochemical production
- 💧 Power generation and distribution
- 💧 Industrial process gases
- 💧 Laboratory and research

The PSS - Portable Sample System has been specifically designed to condition pressurised gas samples (200 barg max. See Technical Data for details) for use with SADPmini2, SADPmini2-Ex, and legacy instruments SADPmini, SADPmini-Ex Dewpoint Hygrometers.

Simply connect the sampling hose and regulate the pressure and flow through the instrument for rapid dewpoint measurements.

The PSS - Portable Sample System has no stored energy components or any possible source of ignition therefore can safely be used, with SADPmini2-Ex or SADPmini-Ex, in hazardous environments.

PSS - Portable Sample System Technical Data

Type	Docking station specifically designed to condition pressurised gas samples for Portable Dewpoint Hygrometer models:- SADPmini2, SADPmini2-Ex, SADPmini and SADPmini-Ex
Compliance	The Portable Sample System has no stored energy components or any possible source of ignition; therefore can safely be used, with SADPmini2-Ex or SADPmini-Ex, in hazardous environments
Operation	Simply connect the sample and regulate the pressure and flow through the instrument for rapid dewpoint measurements
Integrated Flow Indicator	0-20 L/min
Pressure Limits	Pressure Regulator 200 barg maximum Needle Valve 10 barg maximum
Inlet Connection	Choice of Quick Connect, or compression fittings Optional 2 m Stainless Steel Braided Sampling Hose
Weight	All options and SADPmini2 or SADPmini2-Ex fitted 5.2 kg All options fitted with no Dewpoint Hygrometer 3.75 kg
Dimensions	Height 270 mm, Width 315 mm, Depth 245 mm
Wetted Parts	316 Stainless Steel
Chassis	Powder Coated 304 Stainless Steel
Carrying Case	High Quality Anti-Static Padded Vinyl
Manufacturer's Warranty	12 months in case of defective parts or faulty workmanship



Recommended 2 m Stainless Steel Braided Sampling Hose for PSS Sampling System

HQ
2 m Stainless Steel Braided Sampling Hose fitted with Push-On Quick Connect Coupling



H4
2 m Stainless Steel Braided Sampling Hose fitted with 1/4 inch Tube Fitting



H8
2 m Stainless Steel Braided Sampling Hose fitted with 1/8 inch Tube Fitting

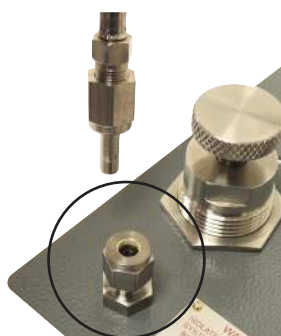


◆ Connected to Gas/or Dry Compressed Air Source. Supplied with 1/8" NPT fitting only.

Inlet Connection Options



QC
Quick Connector Push-On Type Fitting



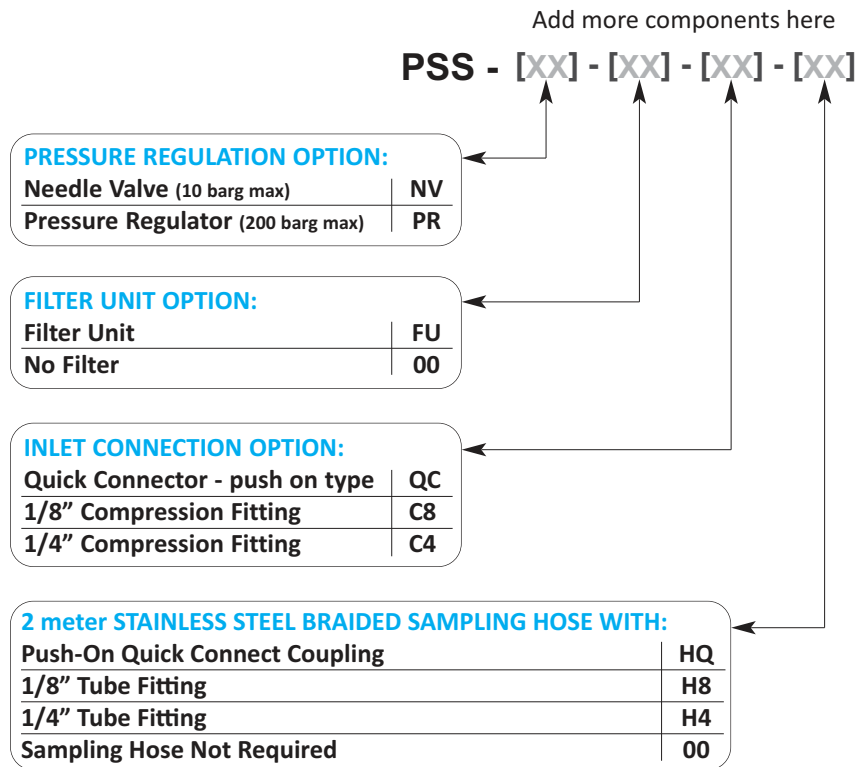
C4
1/4 inch Compression Fitting



C8
1/8 inch Compression Fitting

How to Order

PSS Base Unit incorporating chassis with inlet/outlet bulkhead connections to measuring instrument, all internally piped in 1/8" Stainless Steel tubing, with integrated flow indicator and anti-static carrying case included.



ORDER EXAMPLE 1

Sample System with Pressure Regulator [PR]
 Filter Unit [FU]
 Quick Connector - push on type [QC]
 2 m Braided Sampling Hose with Push-On Quick Connect Coupling [HQ]

Order Part Number
PSS - PR - FU - QC - HQ

ORDER EXAMPLE 2

Sample system with Needle Valve [NV]
 Filter Unit [FU]
 1/4" Tube Fitting [C4]
 2 m Braided Sampling Hose with 1/4" Compression Fitting [H4]

Order Part Number
PSS - NV - FU - C4 - H4

Anti-Static Carrying Case Dimensions



Related Datasheets:

SADPmini2 Portable Dewpoint Hygrometer
 Datasheet No.: 2338

SADPmini2-Ex Portable Dewpoint Hygrometer
 Datasheet: No.: 2493

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