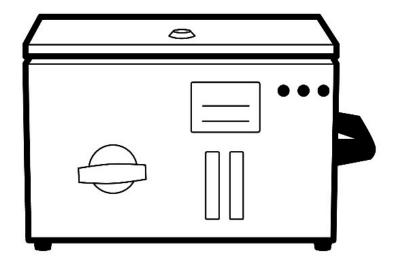


PSS Base & PSS Plus



Gasmet PSS is an automated portable sampling system for continuous extractive sampling from hot and wet gas streams. It is designed for periodic, continuous measurements on site. PSS Base and PSS Plus are controlled with Calcmet software and GT6000 Mobilis gas analyzer.

The PSS Base is affordable option with all the basic features for automated, continuous sampling. PSS Plus has additional features for advanced measurements: oxygen measurement, sample flow status signal and integrated rotameters for instrument air and zero gas flow control. There is also a possibility to connect instrument air for safety and purging, saving N_2 .



System specifications

Heated sampling train Set temperature: 50 °C or 180 °C

Main components:filter, pump, sample linesMaterials:Teflon and stainless steel

Sample Flow: nominal 4 l/min, at ambient pressure

2 l/min at -200 mbar (relative) 2 l/min at +400 mbar (relative)

Filtering before PSS (optional probe): Filtration of particulates (2 µm)

Power supply Separate models for 100-115 and 230 V / 50 -60 Hz

Power connection: CEE7 standard European Schuko plug or fixed cable

Power consumption: 400 W maximum PSS only, 2400W maximum for heated lines. Maximum for single heated line 2300 W for 230 V version and

1600 W for 115 V version.

Sample inlet/outlet fittings 6 mm Swagelok, stainless steel

Auxiliary gas inlets (zero gas, instrument air (only in PSS

Plus))

Recommended pressure: 2 bar

Recommended flow: 4 I/min, PSS Plus: adjustable 0-7 I/min

Enclosure Dimensions: 420x245x290 mm

Material: Steel, Powder Coated Grey

IP class: IP42

Weight 16 kg (PSS Plus), 15 kg (PSS Base)

CE label According to EMI guideline 2014/30/EU and low-voltage directive 2014/35/EU

Internal heated filter Default: PTFE 2 µm

Oxygen sensor (only in PSS Plus)

Principle: ZrO_2 cell Measuring range: 0.1 - 25%

Calibration: Automated single point calibration with air

Optional heated line Tube size: 4 mm inner diameter, 6 mm outer diameter

Core material: Teflon

Fittings: 6 mm Swagelok

Power supply: Supplied from PSS

Power density: 120 watts/meter

Maximum total sample line length: 20 m for 230V model, 13 m for the 115V model

Operating and storage conditions

Operating temperature Long term -5 to 40 °C, short term -10 to 50 °C

Storage temperature -20 to 60 °C, non-condensing

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