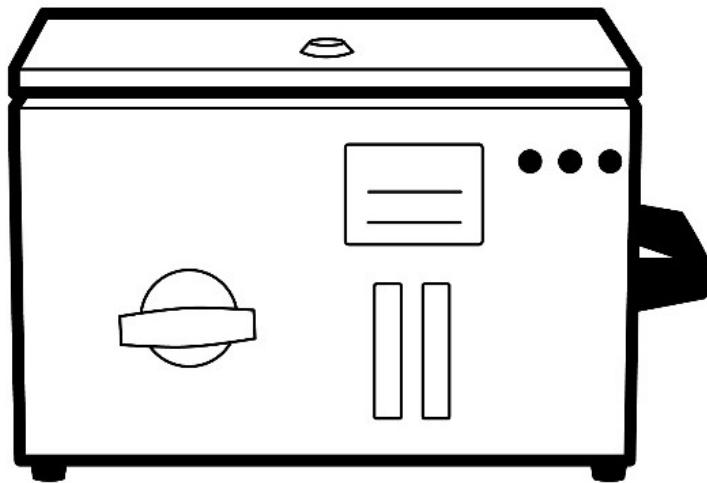


PSS Base & PSS Plus



Gasmeter 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 Calcmeter software and GT6000 Mobilis gas analyzer.

The PSS Base is an 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 N₂.

System specifications

Heated sampling train	Set temperature: 50 °C or 180 °C Main components: filter, pump, sample lines Materials: 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 l/min, PSS Plus: adjustable 0-7 l/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 Option: Sintered stainless steel 0.1µ
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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