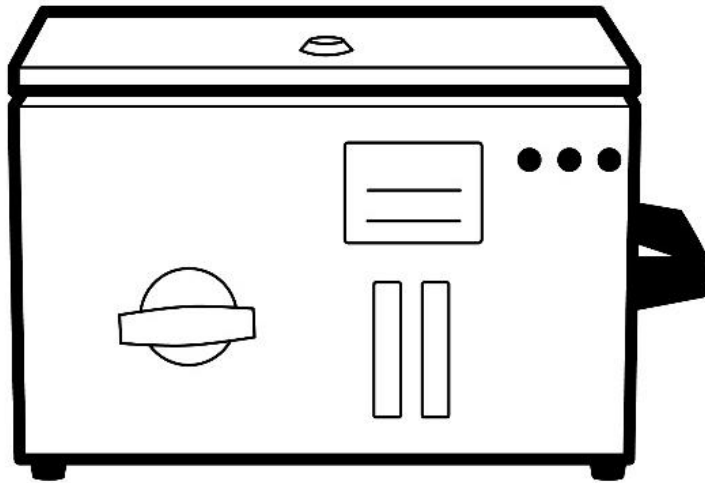


# PSS Base & PSS Plus



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 N<sub>2</sub>.

## System specifications

<b>Heated sampling train</b>	<p><b>Set temperature:</b> 50 °C or 180 °C</p> <p><b>Main components:</b> filter, pump, sample lines</p> <p><b>Materials:</b> Teflon and stainless steel</p>
<b>Sample</b>	<p><b>Flow:</b> nominal 4 l/min, at ambient pressure</p> <p><b>Flow alarm value:</b> 2.5 l/min</p> <p><b>Filtering before PSS (optional probe):</b> Filtration of particulates (2 µm)</p>
<b>Power supply</b>	<p>Separate models for 100-115 and 230 V / 50 -60 Hz</p> <p><b>Power connection:</b> <b>CEE7 standard European Schuko plug or fixed cable</b></p> <p><b>Power consumption:</b> 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.</p>
<b>Sample inlet/outlet fittings</b>	6 mm Swagelok, stainless steel
<b>Auxiliary gas inlets (zero gas, instrument air (only in PSS Plus))</b>	<p>Recommended pressure: 2 bar</p> <p>Recommended flow: 4 l/min, PSS Plus: adjustable 0-7 l/min</p>
<b>Enclosure</b>	<p><b>Dimensions:</b> 420x245x290 mm</p> <p><b>Material:</b> Steel, Powder Coated Grey</p> <p><b>IP class:</b> IP42</p>
<b>Weight</b>	16 kg (PSS Plus), 15 kg (PSS Base)
<b>CE label</b>	According to EMI guideline 2014/30/EU and low-voltage directive 2014/35/EU
<b>Internal heated filter</b>	<p><b>Default:</b> PTFE 2 µm</p> <p><b>Option:</b> Sintered stainless steel 0.1µ</p>
<b>Oxygen sensor (only in PSS Plus)</b>	<p><b>Principle:</b> ZrO<sub>2</sub> cell</p> <p><b>Measuring range:</b> 0.1 – 25 %</p> <p><b>Calibration:</b> Automated single point calibration with air</p>
<b>Optional heated line</b>	<p><b>Tube size:</b> 4 mm inner diameter, 6 mm outer diameter</p> <p><b>Core material:</b> Teflon</p> <p><b>Fittings:</b> 6 mm Swagelok</p> <p><b>Power supply:</b> Supplied from PSS</p> <p><b>Power density:</b> 120 watts/meter</p> <p><b>Maximum total sample line length:</b> 20 m for 230V model, 13 m for the 115V model</p>

## Operating and storage conditions

<b>Operating temperature</b>	Long term -5 to 40 °C, short term -10 to 50 °C
<b>Storage temperature</b>	-20 to 60 °C, non-condensing

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