

## Sorption Analyzer SPSx-1 $\mu$ - Technical Data

### Sorption Test System with Autosampler

<b>Load Capacity:</b>	23 Samples in Sample Pans $\varnothing$ 33 mm. 24 Samples in Pans $\varnothing$ 18 mm. (not weighted)
or	11 Samples in Sample Pans $\varnothing$ 51 mm. 12 Samples in Pans $\varnothing$ 35 mm. (not weighted)
<b>Max load:</b>	20 g / 220g per sample (dual range)
<b>Resolution:</b>	1 $\mu$ g / 100 $\mu$ g (dual range)
<b>Repeatability:</b>	$\pm$ 3.5 $\mu$ g / 100 $\mu$ g RMS (dual range)
<b>Temperature Range:</b>	+10 $^{\circ}$ C. to +60 $^{\circ}$ C
<b>Temperature accuracy:</b>	over time $\pm$ 0.1 K uniformity $\pm$ 0.5 K
<b>Humidity Range:</b>	0 % r.H. to 98 % r.H.* Dew Point -70 $^{\circ}$ C to + 38 $^{\circ}$ C.
<b>Humidity accuracy:</b>	$\pm$ 0.6% r.H. (0 ... 100% r.H) at 23 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C
<b>Long term stability:</b>	better than 1% r.H. per Year
<b>Dimensions:</b>	Width: 488 mm Depth: 630 mm Height: 437 mm Weight: 68 kg**
<b>Environmental Conditions:</b>	Temperature: +15 $^{\circ}$ C to +25 $^{\circ}$ C Humidity: +75% r.H. max
<b>Power supply:</b>	Voltage: 230VAC $\pm$ 15 % 1/N 50 Hz Power: 0.5 kW**
<b>Gas supply:</b>	Compressed Air / Nitrogen dried, oil-free
<b>Operating Pressure:</b>	1.5 bar to 10 bar
<b>Dew Point:</b>	$\leq$ -70 $^{\circ}$ C
<b>Validation:</b>	DKD Calibration Certificate with "Min Weight" certification Salt Validation test with humidity standards
<b>Optional:</b>	Software validation package according to CFR21 part 11

\*Note: The full humidity range is only available at chamber temperatures slightly above room temperature.

\*\*Note: Dimension, weight and power consumption do not include Computer, Keyboard and Monitor.