

# SST 100



The SST 100 Opacimeter is a diesel smoke analyzer for professional car and truck workshops as well as Vehicle Inspection programs designed according to ISO 11614 and 72/306/EEC.

The SST 100 is light, small, fast and operates on low voltage and with low power consumption. The embedded software has a protocol with many features that makes it easy to adapt to any host system, e.g. PC and different market specifications. The optional Bluetooth module makes the SST 100 communication wireless and more flexible.

## SST 100 technical data

	Range	Resolution	Accuracy
<b>Opacity</b>	0-99.9%	0.1%	2%
<b>K-value</b>	0-16.06m <sup>-1</sup>	0.01m <sup>-1</sup>	2% (Calc. on opacity value)
<b>Optical path length:</b>	215 mm single path, corrected to 430 mm according to ISO11614		
<b>Light source:</b>	Green LED 565 nm		
<b>Detector:</b>	Photo diode		
<b>Sample probe:</b>	1.4 m silicone hose, stainless steel probe		
<b>External connections:</b>	RS 232 for PC, I <sup>2</sup> C extended aux. port		
<b>Warm-up time:</b>	Approx. 3 min		
<b>Operating conditions:</b>			
Temp	0°C to +40 °C		
Relative humidity	up to 90%		
Pressure range:	0-10 kPa		
<b>Power supply:</b>	10-30 VDC, 6A or 100-240 VAC 50/60 Hz. with external power source.		
<b>Size sample unit (WxHxD):</b>	375 x 180 x 75 mm (excl. stands)		
<b>Weight sample unit:</b>	Approx. 5.5 kg (incl. stand)		