

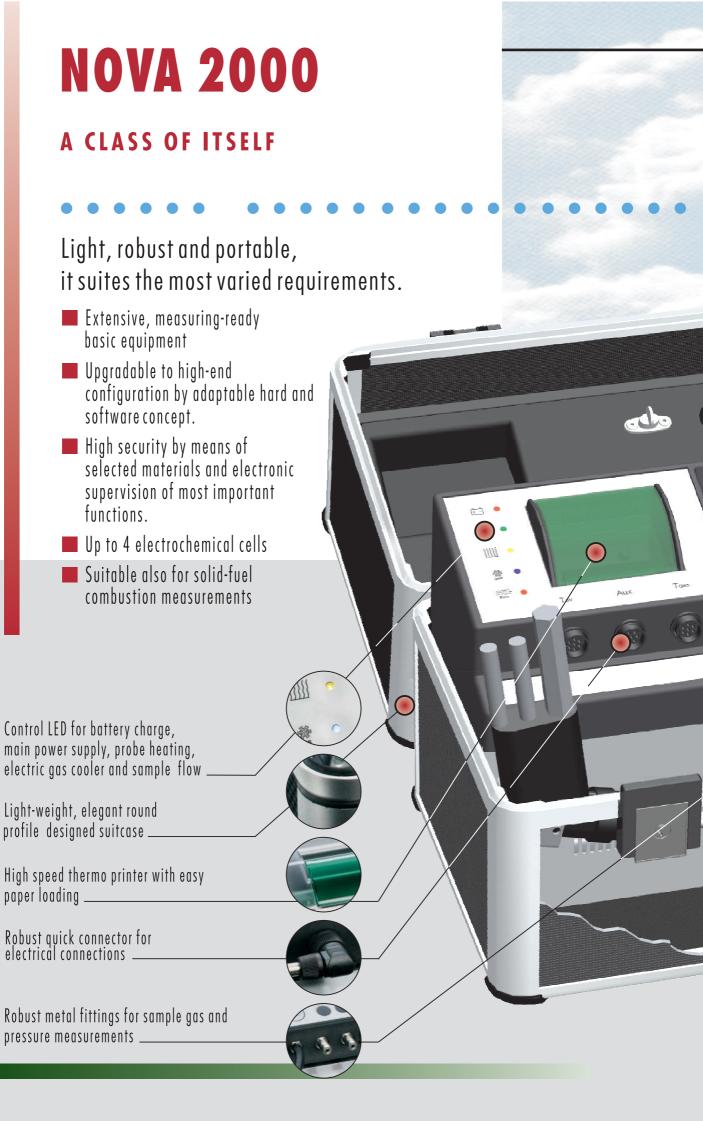
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## VARIOUS APPLICATION POSSIBILITIES





NOVA 2000 — A DEVICE OF TOPCLASS



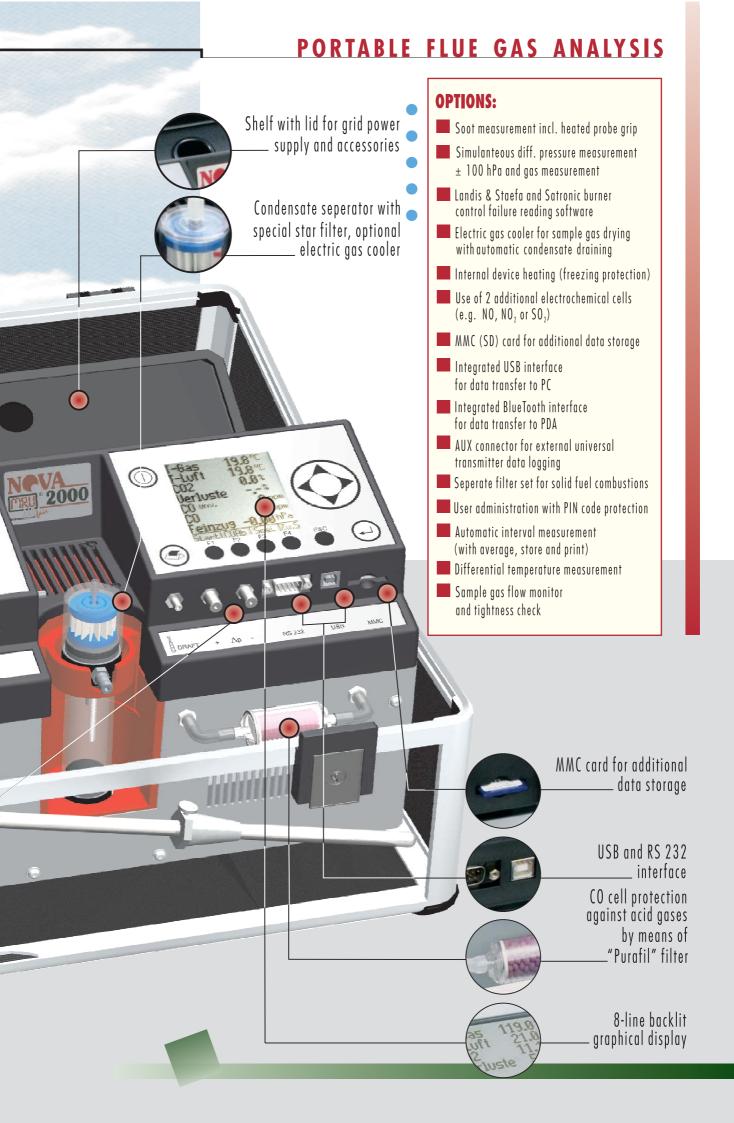
(0

CO high

NO

NO<sub>2</sub>

**SO**<sub>2</sub>



## EMISSION MONITORING SYSTEMS

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## **TECHNICAL DATA:**

Fuel types	Oil light no2/no6, natural gas, coke oven gas, blast furn gas,	propane, butane, coal, pellets (others on request).	
Components	Measuring range	Accuracy (whichever is higher)	Resolution
0,	0 - 21 Vol-%	± 0,2 Vol-% abs.	0,1 %
CO (H <sub>2</sub> compensated)	0 - 4.000 ppm, overload up to 10.000 ppm	$\pm$ 20 ppm or 5 % reading $/ \le 4.000$ ppm	1 ppm
		10 % reading / > 4.000 ppm	1 ppm
CO high (option)	0 - 4.000 ppm, overload up to 20.000 ppm	$\pm$ 100 ppm or 5 % reading $/ \le$ 4.000 ppm	1 ppm
		10 % reading / > 4.000 ppm	1 ppm
CO very high (option)	0 - 40.000 ppm, overload up to 100.000 ppm	$\pm$ 200 ppm or 5 % reading $/ \le$ 40.000 ppm	1 ppm
		10 % reading / > 40.000 ppm	1 ppm
NO (option)	0 - 1.000 ppm, overload up to 5.000 ppm	$\pm$ 5 ppm or 5 % reading / $\leq$ 1.000 ppm	1 ppm
		10 % reading / > 1.000 ppm	1 ppm
NO <sub>2</sub> (option)	0 - 200 ppm, overload up to 1.000 ppm	± 5 ppm or 5 % reading /≤ 200 ppm	1 ppm
		10 % reading / > 200 ppm	1 ppm
SO <sub>2</sub> (option)	0 - 2.000 ppm, overload up to 5.000 ppm	± 10 ppm or 5 % reading /≤ 2000 ppm	1 ppm
		10 % reading / > 2000 ppm	1 ppm
Stack gas temp. T <sub>c</sub>	0 - 650 °C by means of stainless steel sampling tube	±2°C/<200°C	1°0
<b>.</b>	0 - 1.100 °C by means of Inconel steel sampling tube	1 % reading > 200 °C	0,1 °C
Combustion air temp. T	0 - 100 °C	±1°(	0,1 °C
Draft measurement	± 100 hPa ± 100 hPa	± 0,03 hPa or 1% reading	0,5 Pa
Differential pressure		± 0,03 hPa or 1% reading	0,5 Pa
Soot measurement	automatic, heated filter paper method		
Calculated values	depend on fuel		
CO <sub>2</sub>	0 - CO <sub>2</sub> max	± 0,3 Vol-% abs.	0,1 %
Dewpoint	°(		
Losses	0 - 99,9 %		
Efficiency	0 - 120 %		
Measured values as	$mg/Nm^3$ referenced to $O_{2r}$ $mg/KWh$ , $NOx$ as $mg/Nm^3 NO_2$		
Operation temperature			
Storage temperature	- 20 - + 50 °C		
Power supply	internal: 12 V / 1,8 Ah battery, 8 h operation (without gas cooler) external: universal grid power, 110 - 230 Vac / 12 Vdc		
Protection class	IP 20		Elle
Weight	approx. 8,0 kg		
Dimensions	(W x H x D) 420 x 300 x 266 mm		





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