



EMISSIONSMEASURING TECHNOLOGY

Be **fair** to the environment

TOP-CLASS MULTI-TALENT



Abgasmessung - Heizöl EL		
T-Gas	187.2	
°C		
T-Luft	20.1	
°C		
CO2	13.1	
(%)		
Verluste	6.3	
(%)		
Zug	0.27	
(hPa)		
CO	23	
(ppmUn)		
Stop	Speicher	Extras

- 30 sec.
Asset value formation
with new BImSchV
- Heating check /
4Pa test
- RGI measurements /
Gas detector
- Up to
Months warranty



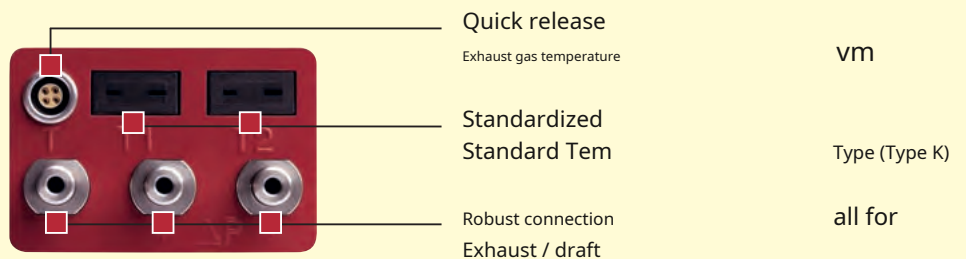
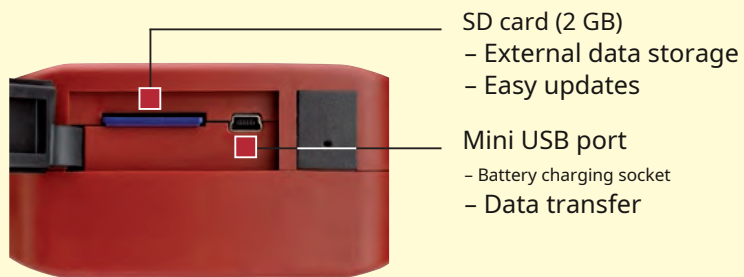
SPECTRAplus

THE NEW
EXHAUST GAS METERING DEVICES FOR OIL,
GAS, WOOD and much more

SPECTRA *plus*

**INNOVATIVE
FUTURE-PROOF
PRICE/PERFORMANCE TOP**

- Exhaust gas analysis (oil, gas, solids, etc.) 30 sec. Average value according to the new
- BImSchV Heating check
- 4Pa test
- Pressure measurements
- Temperature measurements
- Leakage tests according to TRGI
- gas detector
- Interfaces
 - USB
 - SD card
 - IRDA
 - Bluetooth
 - AUX jack





CE

TÜV By RgG 280 VDI 4206-1

Bluetooth interface integrated for data transfer and device remote control

USB port for data transfer and battery charging

Large, brilliant TFT color display with graphic core current search

CO sensor flushing via adjustable limit value monitoring

Logical, menu-driven operation

User-friendly, dirt-resistant membrane keyboard

Large, illuminated Condensate trap integrated in the housing

Running chimney draft

4Pa test (option),
Differential pressure (standard),
Heating check (option)



Sturdy aluminum frame case *



Transport case *

* Case contents depend on the order volume

The options:

- 4Pa test integrated
To check the sufficient combustion air supply of room air-dependent fireplaces
- Bluetooth / USB / AUX Data transfer to the PC with or without cable, remote control via Bluetooth
- Load test, leak test, leakage measurement according to TRGI
- Differential/gas pressure measurement In many cases, an additional measuring device is no longer necessary
- NO_x-Measurement
- CO_{high}-Measurement
Up to 20,000 ppm for solids
- Infrared thermal printer (Speedprinter) For fast, written documentation of the measurement results
- Measurement data storage on SD card (2 GB)
Conveniently store measurement data in the device and then transfer it to your PC
- Automatic measurement with Averaging
e.g. for determining the 15-minute CO average
- Gas detector via AUX socket with direct measured value display on the device display for easy location of gas leaks on external pipe sections
- Heating check integrated, including automatic determination of evaluation points
- Temperature, Delta T
e.g. for simultaneous measurement of flow and return temperature
- Burner control analysis Read the error messages "in plain text" from the device display

Technical data

Measuring components	Measuring range	accuracy
Oxygen O2	0... 21.0 vol.%	±0.2 vol% abs.
Carbon monoxide CO (H2 comp.)	0... 4,000 ppm Overloadable up to 10,000 ppm *	±10 ppm or 5% of reading up to 4,000 ppm ** or 10% of reading up to 10,000 ppm
Carbon monoxide CO high (Solids measurement option)	0... 4,000 ppm Overloadable up to 20,000 ppm *	±100 ppm or 5% of reading up to 4,000 ppm ** or 10% of reading up to 20,000 ppm
Nitric oxide NO (option)	0... 1,000 ppm overloadable up to 5,000 ppm *	±5 ppm or 5% of reading up to 1,000 ppm ** or 10% of reading up to 5,000 ppm
Exhaust gas temperature TA	0... 650 °C with stainless steel gas sampling tube 0... 1,100 °C with Inconel gas sampling tube	±2 °C <200 °C, 1% of v. MW >200 °C ** ±2 °C <200 °C, 1% of. MW >200 °C **
Combustion air temperature TL	0... 100 °C	±1 °C
Chimney draft/differential pressure	-100... +100 hPa	±0.02 hPa or 1% of mean value **
Calculated values		
Carbon dioxide CO2	0... CO2 max	±0.3 vol% abs.
dew point	°C	
Exhaust gas loss qA	0... 99.9%	
Efficiency η	0... 120%	
Measured values as	mg/kWh, mg/Nm ³ , O2 related, NO _x as mg/Nm ³ NO ₂	
General data		
Operating temperature	+ 5 ... +45 °C, max. 90 % RH, non-condensing	
Storage temperature	-20 ... +50 °C	
Power supply	internal: Li-ion approx. 15 hours, NiMH approx. 6 hours external: charger 230 Vac / 12 Vdc	
Weight	approx. 0.75 kg	
Dimensions	110 x 225 x 52 mm	
	TÜV By RgG 280 VDI 4206-1	* only for short-term measurements ** the larger value applies

MRU – always a future-proof decision!

Advice and sales by:



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