



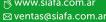


POWERFULLY TOUGH

Wohler A 550 INDUSTRIAL

Portable Flue Gas Emissions Analyzer with superior accuracy

















CO 100,000

NOx S₀x











12 MONTH

Wohler A 550 INDUSTRIAL

Portable Flue Gas Emissions Analyzer with Capitalize Superior and Accuracy

As tough as cast iron, but as easy to operate as a smartphone - that's what Wohler's new Flue Gas Emssions Analyzer feels like in your hand. A tap of your finger on the Wohler A 550 INDUSTRIAL is all that is required to perform a complete analysis and inspection of boilers and burners. The Flue Gas Emissions Analyzer is designed to be used in tough industrial heat processes. The in-stack stainless steel sinter-filter probe protects the analyzer against heavy dust loads.

The new Wohler A 550 Industrial is our most advanced analyzer ever. The individual functions can be launched as intuitively as using a smartphone via the large 7" color touchscreen. And the brightly lit monitor can be read anywhere. The large screen, the clear arrangement and the graphical presentation of readings allow excellent readability.

Acquiring measurement values is as easy as could be. The analyzer is equipped with magnets, so you can attach it to any magnetic objects to work hands-free. The probe is equipped with a start/stop button to run or hold measurement readings. There are a number of interfaces available to transfer data: USB, Infrared and Bluetooth®. And with the Wohler TD 100 Fast Thermal Printer you can print out the readings on-site.

The new battery-driven peltier cooler ensures both accurate NOx and SOx readings.

The optional stainless steel sinter-filter protects the device against industrial dust loads.

A broad variety of different sample probe lenghts offers the opportunity to take emission measurements in difficult-toreach locations.

To measure flue gas velocity and flow rate the Wohler A 550 INDUSTRIAL is equipped with a dual port digital pressure sensor. S-Tubes and Prandl-probes are available in different length and dimensions.



ADVANTAGES

- 7" color-touchscreen as intuitive to use as a smartphone
- NOx and SOx emissions measurement with 0.1 ppm resolution
- In-stack Sinter-filter probe for dust protection
- Battery-driven peltier cooler device more than 4 h off-grid operation time
- High-power sample pump for differential pressures up to 300 mbar
- Built-in logger function with user selectable configuration



TECHNICAL DATA

Dimensions ...

Length of cable-hose......67"

Oxygen concentration (0 ₂)	in flue gas
	Volume % referenced to dry flue gas
Measurement principle	
Range	
Accuracy	
Carbon monoxide (CO 100,	000) in flue gas
	Volume ppm referenced to dry flue gas
Measurement principle	
	0 – 100,000 vol. ppm; resolution 1 vol. ppm
Accuracy	\pm 100 vol. ppm (< 1,000 vol. ppm), otherwise 10 % of reading (with $\rm H_2$ < 5 % of reading)
Nitric oxide concentration	
	Volume ppm referenced to dry flue gas
Measurement principle	
Range	0 – 3,000 vol. ppm (continuously up to 1,000); resolution 0.1 vol. ppm (<1,000 vol. ppm),
A	otherwise 1 vol. ppm
*	±5 vol. ppm (<100 vol. ppm), otherwise 5 % of reading
Nitrogen dioxide concentra	ation (NO ₂) in flue gas Volume ppm referenced to dry flue gas
	Volume ppin referenced to dry fide gas Electrochemical sensor
	0 – 1,000 vol. ppm (continuously up to 200 vol. ppm);
riango	resolution 0.1 vol. ppm
Accuracy	± 5 vol. ppm (< 100 ppm), otherwise 5 % of reading
Sulfur dioxide concentration	
	Volume ppm referenced to dry flue gas
Measurement principle	
Range	
9-	resolution 0.1 vol. ppm (< 1,000 vol. ppm),
	otherwise 1 vol. ppm
Accuracy	$ \pm$ 10 vol. ppm (< 200 vol. ppm), otherwise 5 % of reading
Differential pressure (P _n)	
Display	inWC
Measurement principle	
	0.00 to \pm 44.16 inWC; resolution 0.004 inWC
Accuracy	0.008 inWC (< 0.16 inWC), otherwise 5 % of reading
Flue gas temperature (T _s)	
Display	°F
	Thermocouple (NiCr-Ni) (NiCr-Ni)
	4 °F to 1,472 °F; resolution 32.18 °F
Accuracy	
	271.4-1,472 °F: ± 1.5 % of reading
Combustion air temperatur Display	
Measurement principle	
	4 °F to 212 °F; resolution 32.2 °F
Accuracy	±33.8 °F
Power supply	Lithium-lon, rechargeable battery 3.7 V, 5800 mAh,
	charges via USB
Battery operating time	Approx. 7 h (depends on operating status and display
Ctavaga tammayatuwa	illumination)
Storage temperature	+ 41 – 104 °F to maintain stated accuracy
Weight	
***vigiit	2.1 0 100

......8.7" x 6.3" x 2.2" (without probe)

X Applications

- · Expandable with up to 5 sensors
- · For measurements: NO, NO, SO,
- · Probe for a variety of measurement tasks
- · In-stack sinter-filter for heavy dust loaded samples

☼ Functionality

- · Simple to use: Switch on read off done
- · Large, color touchscreen: Displays up to 14 measurement and calculation values
- · Intuitive to operate via on-screen keyboard
- · Calibrate in the flue gas pipe via a fresh air pump
- · Graphic hot spot search

Safety / Reliability

- · Effective dust and condensate protection
- · 4-filter technology easily accessible
- · Analyzer and sensor diagnostics
- · Sensor replacement user-friendly
- · Rechargeable battery operating time: more than 7 h with Lithium Ion power
- · Hose assembly robust and flexible

Data management

- · 1,000 measurement records
- · Data transfer via USB, Bluetooth® or Infrared

Approvals

· DIN EN 50379 Part 2



Battery-driven peltier cooler removes condensate from the sample gas for accurate NOx and SOx measurements



Sinter-filter probe removes dust (> 20 micron) from the sample gas to protect the analyzer against heavy dust loads

¹⁾ Except thermocouple, rechargeable battery and special sensors; for further information please read our warranty guidelines.



Kit and Accessories

Wohler A 550 INDUSTRIAL	Qty
Wohler A 550 INDUSTRIAL	
0 110 00 110 00 01 1 11 0 1100	D 11 10 ft

with O₂, NO, CO_{High}, NO₂, SO₂, Bluetooth®, USB- and IR, Hose 10 ft. and modular Flue Gas Probe 3 ft. with sinter filter, Ambient Temperature Probe (plug), USB-Charger with Micro-USB-Cable, Li-Ionen Battery, 1 Waterstopp Filter, 1 Coarse Filter, 25 Wadding Filters, Plastic Case

P/N 5996

Peltier cooler for NOx and SOx
USB Peltier Cooler for Wohler A 550

with battery and USB cable 10 ft.

Portable Peltier Cooler with external mobile battery to remove condensate. Operational time up to 5h. To be used for accurate SO_2 or NO_2 flue gas analysis. Comes with: Wohler USB Peltier Cooler A 550, 10.000 mAh mobile battery pack, 10 ft. USB connection cable, Angle Adapter Peltier Cooler

P/N 4435

Probe with sinter-filter 20 micron		Qty
Flue Gas Probe 3 ft. with filter holder and stainless steel Sinter-filter to be used with Wohler A 550 INDUSTRIAL Flue Gas Analyzer	Emissions	
•	P/N 4189	
Stainless steel Sinter-filter		
for Wohler A 550 INDUSTRIAL, replacement filter		
	P/N 4187	

Probes		Qty
Wohler A 550 Gas Probe		
1.5 ft.		
	P/N 9614	
Wohler A 550 Gas Probe		
1 ft.		
	P/N 9622	
Flue Gas Probe Wohler A 550		
3 ft., with protective cap		
	P/N 9695	
Wohler A 550 Air Temperature Probe		
1 ft., with 1,7 m cable		
	P/N 5511	
Wohler Velocity Probe Type S		
for Wohler A 550, to measure gas velocity		
	P/N 5579	
Pitot Tube		
3 ft., .2" diameter		
	P/N 9489	
Pitot Tube		
1.5 ft., .2" diameter		
	P/N 9488	

Cones	Qty
Magnetic Holder	
for air temperature probes	
to stabilize the air temperature probe	
P/N 6142	
Clamping Cone	
for probes .3" diameter	
stainless steel, to stabilize the gas probe in the flue pipe	
P/N 2494	
PTFE Cone	
for probes .3" diameter	
to stabilize air temperature probes in openings .3"5" diameter	
P/N 2463	

Printer	Qty
Wohler TD 100 Thermal Fast Printer	
Infrared printer with 1 roll thermal paper and four batteries	
P/N 4160	
Thermal Paper	
2" wide, 10 rolls	
for thermal printer Wohler TD 100 / TD 600	
P/N 4145	

PC-Software	Qty
PC-Software Wohler A 550 on CD	
Languages EN, FR, IT, CZ, NL, CN	
for online measurements, diagram functions and export to MS Excel	
D/N 4429	

Consumables	Qty
Water Stop Filters pack with 3 pieces for Wohler A 400 / A 500 / A 600 P/N 962	
P/N 962	1
Coarse Filters pack with 5 pieces for Wohler A 500 / A 600	
P/N 963	2
Wadding Filters pack with 150 pieces for Wohler A 400 / A 500 / A 600	
P/N 428	8



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