WÖHLER

ROBUST

SIMPLE

Wöhler A 550 Flue Gas Analyser
Flue Gas Analysis at the tip of a finger

Wöhler A 550
Flue Gas Analyser

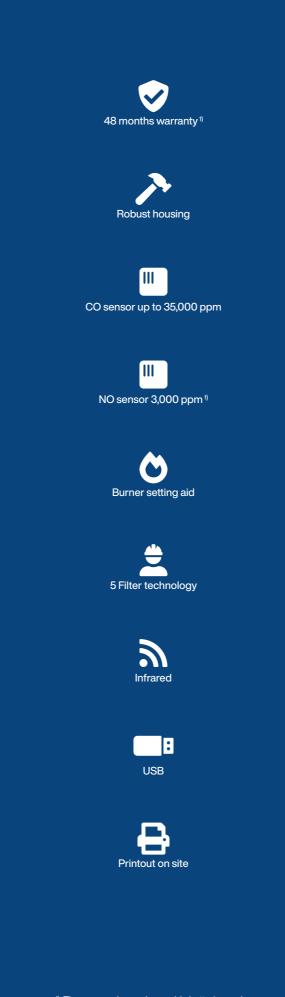## The high-end measuring device

Large 7" touch display, robust workmanship and equipped with all the technical finesse. This is the flue gas analyser for anyone who doesn't want to compromise. With the Wöhler A 550, you are already equipped for all future applications.

The Wöhler A 550 is a "bright head" in two aspects: The individual functions can be called up as intuitively as on a smartphone via the large 7" touch display and the brightly lit monitor is easy to read everywhere. The generous screen and the clear, partly graphical display of values are ideal for discussions with customers.

Recording the measured values is very simple. Equipped with magnets, you can attach the device securely to the housing of the boiler, leaving your hands free to work. The probe has an additional start/stop button that can be used to start or stop the measured values - particularly practical for measuring locations that are difficult to access. There are plenty of interfaces for transferring data to other management programmes (USB, infrared and WLAN). The Wöhler TD 100 Thermal Fast Printer can also be used to print out the values on site so that the customer can hold them directly in their hand in black and white.

The measurement results can be easily sent to any smartphone or tablet via the Wöhler Flue Gas Analysis App. You can start and stop the measurement via your end device. This is particularly practical for measuring points that are difficult to access. The measurement data is displayed on the smartphone or tablet either as numerical values or graphics. There they can be saved in various formats and sent by email or with an app.

48 months warranty [1]

Robust housing

CO sensor up to 35,000 ppm

NO sensor 3,000 ppm [1]

Burner setting aid

5 Filter technology

Infrared

USB

Printout on site

[1] Thermocouples, rechargeable batteries and NO sensors are excluded. Please refer to our general terms and conditions for further information.

Large touch display: All measured and calculated values at a glance – Simple operation via touch display – Structured menu navigation.

Convenient & practical: The measurement results can be conveniently printed out on site. The measuring device and printer are attached to the fireplace with strong magnets, leaving your hands free to work.

Advantages

▸ Overview: Large 7" touch display with visualisation of 14 measured and calculated value

▸ Convenient: Switch on – Read off – Done

▸ Safety: The CO purge pump actively protects the H_2-compensated CO sensor from overloa

▸ Low follow-up costs: 48-month device and sensor guarantee[1] without maintenance conditions

▸ Equipped for the future: Accessories for special applications, e.g. measurements on combined heat and power plants

▸ All-round device: Slots for 5 sensors

▸ Fast: Fresh air pump for simultaneous calibration and core flow search

⏩ Technical Data

🖥 Display

Touch Display:	7"

▥ Sensors

up to 5

O_2:	0...21 %
CO:	0...4,000 ppm 0...35,000 ppm 0...100,000 ppm
NO:	0...3,000 ppm
NO_2:	0...1,000 ppm

🔋 Power supply

Lithium-ion rechargeable battery:	12 hr service life

◉ Weight

from 1,250 g

☻ Safety

5 filter technology with filter monitoring

[1] Thermocouples, rechargeable batteries and special sensors are excluded. Please refer to our general terms and conditions for further information.

🛠 Application

- Flue gas analysis
- 4 Pa-test (Wöhler A 550 only)
- Wood moisture
- Spillage test
- Check for back-draught conditions in chimneys
- Up to 4 sensors (Wöhler A 550 only)

⚙ Functionality

- Easy to use: Switch on – Read off – Done
- Large 7" Touch display: Display of up to 14 measured and calculated values
- Intuitive operation
- Calibration in the flue gas pipe via a fresh air pump
- Graphical core flow search

☻ Safety / Reliability

- 48-month warranty without maintenance contract [1]
- Effective condensate protection
- Automatic CO purge pump protects the CO sensor
- 5 filter technology - easily accessible
- Device and sensor diagnostics
- Sensor replacement - do it yourself
- More than 12 hr battery life with lithium-ion power
- Hose cable - robust and flexible

☁ Data management

- 1,000 measurement records
- Data transfer via USB, WLAN or infrared

☑ Approvals

- EN 50379 Part 2, VDI 4206-4

Special features

Start/stop button on the probe: With the Wöhler A 550, you can easily start and stop the measurement in difficult measuring locations by pressing a button on the probe.

CHP filter: The CHP filter protects the sensors when measuring CHP or solid fuel systems.

Wöhler Flue Gas Analysis App

Do you prefer to do everything with your smartphone or tablet? Then the Wöhler Flue Gas Analysis App is just the thing for your measurement and adjustment work.

- Remote control of measured values at measuring locations that are difficult to access
- Direct connection via Wi-Fi to the smart device and future-proof internet access
- Measurement report can be sent from smartphone / tablet by e-mail and via messenger services

Basic Sets

	Wöhler A 550 L Flue Gas Analyser 35,000 ppm CO-sensor	Wöhler A 550 Flue Gas Analyser 4,000 ppm CO-sensor
Flue gas analysis	●	●
4 Pa-test		●
Wood moisture	●	●
Spillage test	●	●
Wöhler Tuning Guide	●	●
O_2	0...21 %	0...21 %
CO gas/oil systems	0...35,000 ppm	0...4,000 ppm
CO Solid fuel systems	0...35,000 ppm	0...4,000 ppm up to 100,000 ppm optional
NO	0...3,000 ppm optional	0...3,000 ppm optional
SO_2 / NO_2		optional
Flue gas temperature	-20...800 ℃	-20...800 ℃
Air temperature	-20...100 ℃	-20...100 ℃
Differential pressure	±110 hPa	±110 hPa
Scope of delivery		
Wöhler A 550 L Flue Gas Analyser	●	
Wöhler A 550 Flue Gas Analyser		●
4,000 ppm CO-sensor H_2-compensated		●
35,000 ppm CO-sensor	●	
Wi-Fi interface	optional	●
USB and IR interface	●	●
Gas Probe 275 mm with 1.7 m hose cable	●	
Gas Probe 285 mm (pluggable) with 1.7 m hose cable		●
Probe with 3 m hose (pluggable)		optional
USB charger with micro USB cable	●	●
Lithium-ion rechargeable battery 12 h service life	●	●
Combustion air temperature probe	optional	●
Water stop filter	●	●
Coarse filter	●	●
Wadding filter	●	●
Pressure adapter		optional
Wood moisture probe	optional	optional
Article no.	8133 J	8150 J
optional with NO sensor	8148 J	8158 J

● = included
optional = for retrofitting or upgrading from the factory, please contact us
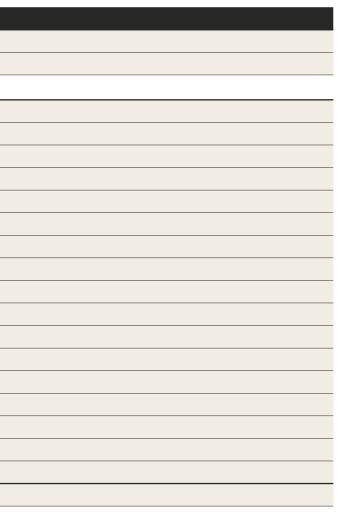
Order online now! **woehler-international.com/article-no.**

Accessory Sets

	Comfort Set	Professional Set
Property	for Wöhler A 550 L	for Wöhler A 550
Application	Maintenance work	Maintenance work
Scope of delivery		
Plastic Case MAXI	●	
Aluminium Framed Case		●
Chimney Sweeper Backpack		
Air Temperature Probe 220 mm	●	●
Air Temperature Probe 280 mm		
Dew Point Indicator Probe		●
Mulit-hole Gas Probe 60 / 160 mm		
Clamping Cone	●	●
PTFE Cone	●	●
Wadding Filter		
Coarse Filter (5 pcs.)	●	●
Water stop filter (3 pcs.)	●	●
Jet Pressure Measuring Set	●	●
Capillary Hose Set		
Magnetic Holder		●
Wöhler TD 100 Thermal Fast Printer with thermal paper	●	●
Wöhler RP 72 Soot Test Pump		●
Article no.	8742 J	8743 J

● = included

WÖHLER ACADEMY

Knowledge base

Qualified · Practice-Oriented · Technophile

You have to work with the most diverse standards, rules and regulations daily – who is supposed to remember all this? On our knowledge platform you will find compact application knowledge for the professionals about:

▶ Measuring

▶ Inspection

▶ Cleaning

Measuring
Knowledge base

Industrial flue gas analysis

Industrial flue gas analysis is a legal requirement in many countries, but it also makes sense to analyse flue gases without an official obligation to measure. The list of advantages ranges from cost savings to emission reductions to ensuring production quality

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