



WÖHLER A 550 L / 550 FLUE GAS ANALYZER

Flue Gas Analysis at the tip of a finger.

Wöhler A 550 L / 550 Flue Gas Analyzer

Flue Gas Analyzer with all measurement functions

As easy to operate as a smartphone – that's what Wöhler's Flue Gas Analyzer feels like in your hand. Appropriately, the advantages are equally substantial: A tip with your finger on the Wöhler A 550 L/A 550 is all that is required to perform analyses, inspections and settings in accordance with EN 50379. The robust Wöhler A 550 Flue Gas Analyzer offers a variety of measurements e.g. Efficiency-, Emission-, Supply Air-, CO Ambient- and Wood Moisture Testing. The outstanding performance of the analyzer is approved and certified by international test house like TÜV and CPA.

No matter how you look at it, the Wöhler A550L/550 Flue Gas Analyzer is a "nifty piece of equipment": The individual functions can be called up as intuitively as using a smartphone via the large 7" color touchscreen. And the brightly lit monitor can be read anywhere. The generously dimensioned screen and the clearly arranged readings are an absolutely ideal basis for proper analysis of a burning process.

"Smart" handling features

Acquiring measurement values is as easy as could be. The analyzer is equipped with magnets, so you can attach it to the housing of the heater or boiler –

and your hands are free to work. The probe is equipped with an additional start/stop button (Wöhler A 550 only) to start or stop measurement readings. There are a generous number of interfaces available to transfer data: USB, infrared and Bluetooth®. The Wöhler A 550 Flue Gas Analyzer with Bluetooth® feature can be used with the Wöhler A 550 APP INT for Android smartphones or tablets. For communication with computers and notebooks Wöhler offers a professional software program. Printing out the results on site is possible with the Wöhler TD 100 Thermal Fast Printer.

48 Months
Warranty
DEVICE AND
SENSORS¹⁾

ROBUST
HOUSING

A 550 APP
(Android)

TÜV
CERTIFIED

5
FILTER
TECHNOLOGY

USB

INFRARED

PRINTER

BLUETOOTH®



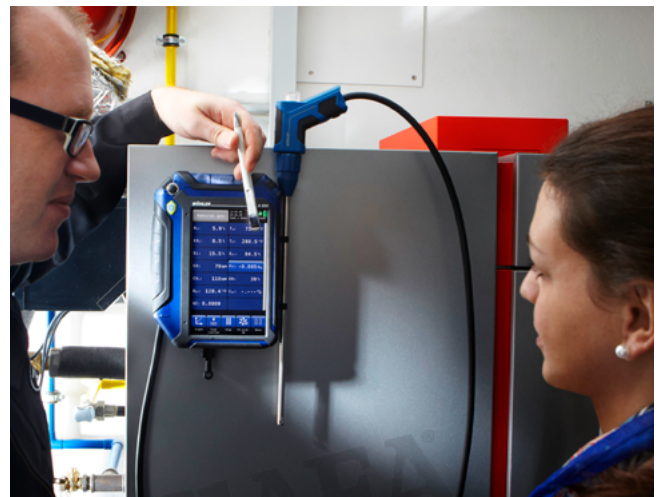
- ▶ 7" color touchscreen as intuitive to use as a smartphone
- ▶ 48 month warranty¹⁾ on the analyzer and sensors – without maintenance contract
- ▶ Including wood moisture measurement and spillage test
- ▶ Probe and hose assembly with start/stop function (Wöhler A 550 only) for remote analyzer operation
- ▶ Multiple communication capabilities including smartphones and tablets



Easy to use with a clear design
The Wöhler A 550 offers you the highest level of working convenience.



Robust and wear-resistant by design
The Wöhler A 550 Flue Gas Analyzer with protective hinged lid.



Large 7" color Touchscreen
All results of measurement at a glance – Use the large, clearly arranged color touchscreen to explain the results.



Wood Moisture Measurement
Optional probe available for wood moisture measurement.



Spillage Test
Optional probe available to test for back-draught conditions in the chimney.

✂ Application

- ▶ Up to 4 sensors (Wöhler A 550 only)
- ▶ 4 Pa supply air test (Wöhler A 550 only)
- ▶ Changeable probes for a variety of measurement tasks (Wöhler A 550 only)
- ▶ Check for back-draught conditions in the chimney
- ▶ Optional probe for wood moisture measurement

⚙ Functionality

- ▶ Simple to use: Switch on – read off – done
- ▶ Large, color touchscreen: Displays up to 14 values at a glance
- ▶ Intuitive operation: What you see is what you get
- ▶ Instant measurement with 3 pump technology (Wöhler A 550 only)
- ▶ Graphical core flow search
- ▶ 48 month warranty without maintenance contract¹⁾

🔑 Safety / Reliability

- ▶ Effective condensate protection
- ▶ Automatic CO clean out pump protects CO sensor (Wöhler A 550 only)
- ▶ 5-filter-technology – easily accessible
- ▶ Analyzer and sensor diagnostics
- ▶ Field-replaceable sensors
- ▶ Rechargeable battery operating time: more than 12 h with Lithium Ion power
- ▶ Hose assembly – robust and flexible

📁 Data management

- ▶ 1.000 measurement records
- ▶ Compatible with the Wöhler A 550 APP for Android
- ▶ Data transfer via USB, Bluetooth® or infrared

📌 Approvals

- ▶ EN 50379 Part 2, VDI 4206

¹⁾ Except for thermocouples, rechargeable batteries and special sensors; for further information please see our Terms and Conditions

Technical data

| | | |
|--------------|--|----------------------|
| Display | 7" Color touchscreen | |
| Sensors | up to 4 | |
| | O ₂ | 0.0...21.0 vol. % |
| | CO | 0...4,000 vol. ppm |
| | | 0...35,000 vol. ppm |
| | | 0...100,000 vol. ppm |
| | NO | 0...3.000 ppm |
| Power Supply | Lithium-Ion, rechargeable battery 3.7 V, 5800 mAh, charges via USB | |
| Safety | 5-filter-technology – easily accessible | |
| Weight | 1,250 g | |

Detailed technical data can be found under www.woehler-international.com/P_127.dl





Peltier Cooler

Remove condensate from the sample gas for long-term measurements.



Wöhler A 550 APP INT (Android)

Evaluate the results directly on your smartphone or tablet and export data to Excel or as PDF document.



Start-/Stop-Button on the probe handle

When measuring in difficult conditions, you can also simply stop and save the measurement at the press of the button on the probe handle.



CHP Filter

To protect the analyzer from heavy dust loads and condensate.



Coarse Filter

The first out of 5 filters to remove dust and protect the analyzer.



Condensate Status always in view

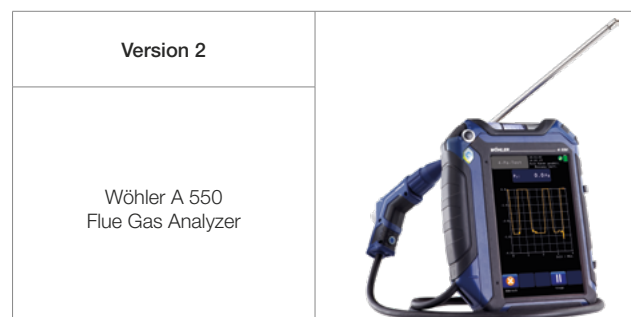
The bright blue condensate trap is serviced in no time at all and without any difficulty.

Product features

| Article no. | 8133 J | 8150 J |
|---|-------------------------------------|-----------------------------------|
| | Wöhler A 550 L Flue Gas Analyzer | Wöhler A 550 Flue Gas Analyzer |
| Applications (depends on accessories) | | |
| Flue Gas Analysis | • | • |
| 4 Pa-test | | • |
| Wood moisture | • | • |
| Spillage test | • | • |
| Wöhler Tuning Guide | • | • |
| Possible sensors | 3 | 4 |
| Functionality | | |
| 7" color touchscreen | | • |
| Fresh air pump, simultaneous hot spot search and calibration | | • |
| Start-/stop function at probe | | • |
| 1,000 measurement records | • | • |
| USB & infrared | • | • |
| Bluetooth® | | • |
| CO clean out pump | | • |
| Reliability | | |
| 48-month sensor and analyzer warranty ¹⁾ | • | • |
| Analyzer self diagnostics | • | • |
| Field replaceable sensors | • | • |
| Visual filter alarm | • | • |
| Lithium Ion rechargeable battery with up to 12 h battery operating time | • | • |
| Scope of delivery | | |
| Interchangeable probe with 1.7 m hose assembly and plug-in probe 285 mm | | • |
| Probe with 1.7 m hose assembly and fixed probe 275 mm | • | |
| Probe with 3 m hose assembly | | optional |
| Combustion air temperature probe | optional | • |
| Wood Moisture Probe | optional | optional |
| Pressure measurement adapter for 4 Pa test | | optional |
| 1 water stop filter and 1 coarse filter | • | • |
| Rechargeable battery and USB battery charger | • | • |
| Case | • | • |

• = included | optional = retrofit or upgrade ex works, contact us

¹⁾ Except for thermocouples, rechargeable batteries and special sensors; for further information please see our Terms and Conditions



Basic sets



| | Wöhler A 550 L Flue Gas Analyzer | Wöhler A 550 Flue Gas Analyzer |
|-------------------|--|-----------------------------------|
| Scope of delivery | Wöhler A 550 L Flue Gas Analyzer with CO- and O ₂ -sensor | • |
| | Wöhler A 550 Flue Gas Analyzer with CO- and O ₂ -sensor | • |
| | Cable hose 1.7 m | • |
| | Gas probe 275 mm | • |
| | Changeable gas probe 285 mm | • |
| | Combustion air temperature plug | • |
| | USB-charger with Micro-USB cable | • |
| | Lithium-ion rechargeable battery | • |
| | Waterstop filter | • |
| | Coarse filters | • |
| | Wadding filters | • |
| | Plastic case | • |
| Article no. | 8133 J | 8150 J |

Professional sets



| | Wöhler A 450 L Flue Gas Analyzer | Wöhler A 450 L Flue Gas Analyzer NO-sensor | Wöhler A 450 L Flue Gas Analyzer NO-sensor |
|-------------------|-------------------------------------|--|--|
| Scope of delivery | Wöhler A 550 L Flue Gas Analyzer | 8133 J | 8133 J |
| | NO-sensor | • | • |
| | Wöhler TD 100 Thermal Fast Printer | • | • |
| Article no. | 8134 J | 8148 J | 8149 J |



| | Wöhler A 450 Flue Gas Analyzer | Wöhler A 450 Flue Gas Analyzer NO-sensor | Wöhler A 450 Flue Gas Analyzer NO-sensor |
|-------------------|------------------------------------|--|--|
| Scope of delivery | Wöhler A 550 Flue Gas Analyzer | 8150 J | 8150 J |
| | NO-sensor | • | • |
| | Wöhler TD 100 Thermal Fast Printer | • | • |
| Article no. | 8152 J | 8153 J | 8154 J |

• = included

Order Form

| Product | Basic | Professional | Qty. |
|----------------------------------|---------------------------------|---|------|
| Wöhler A 550 L Flue Gas Analyzer | <input type="checkbox"/> 8133 J | <input type="checkbox"/> 8134 J <input type="checkbox"/> 8148 J <input type="checkbox"/> 8149 J | |
| Wöhler A 550 Flue Gas Analyzer | <input type="checkbox"/> 8150 J | <input type="checkbox"/> 8152 J <input type="checkbox"/> 8153 J <input type="checkbox"/> 8154 J | |



| Billing address/customer | | Delivery address (if different to billing address) | | | | | | | | |
|--------------------------|---|--|-------|--|--|--|--|--|--|--|
| Company | _____ | Company | _____ | | | | | | | |
| Name | _____ | Name | _____ | | | | | | | |
| Street/house no. | _____ | Street/house no. | _____ | | | | | | | |
| ZIP code/City | _____ | ZIP code/City | _____ | | | | | | | |
| Country | _____ | Country | _____ | | | | | | | |
| Telephone | _____ | Fax | _____ | | | | | | | |
| Mobile | _____ | E-Mail | _____ | | | | | | | |
| Customer number | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> | | | | | | | | | |
| | | | | | | | | | | |
| Date | _____ | Signature or company stamp | _____ | | | | | | | |

WÖHLER

Wöhler Technik GmbH
Headquarters Germany

Wöhler-Platz 1 · 33181 Bad Wünnenberg
www.woehler-international.com