

Wohler A 550 / A 500 L Flue Gas Analyzer

TECHNICAL DATA

Oxygen concentration (O₂) in flue gas

Display.....Volume % referenced to dry flue gas
 Measurement principle.....Electrochemical sensor
 Range.....0.0-21.0 vol. %
 Accuracy.....± 0.3 Vol.-%

Carbon monoxide (CO 4,000 ppm) in flue gas (Wohler A 550)

Display.....Volume ppm referenced to dry flue gas
 Measurement principle.....Electrochemical sensor
 Range.....0-4,000 vol. ppm; resolution 1 vol. ppm
 Accuracy.....±20 ppm (< 400 ppm), otherwise 5% of reading

Carbon monoxide (CO) in flue gas (Wohler A 550 L)

Display.....Volume ppm referenced to dry flue gas
 Measurement principle.....Electrochemical sensor
 Range.....0-35,000 vol. ppm; resolution 1 vol. ppm
 Accuracy.....± 100 ppm (< 1,000 ppm),
 otherwise 10% of reading (with H₂ < 5% of reading)

Carbon monoxide (CO_{high}) in flue gas (optional)

Display.....Volume ppm referenced to dry flue gas
 Measurement principle.....Electrochemical sensor
 Range.....0-100,000 vol. ppm; resolution 1 vol. ppm
 Accuracy.....± 100 ppm (< 1,000 ppm),
 otherwise 10% of reading (with H₂ < 5% of reading)

Nitric oxide concentration (NO) in flue gas (optional)

Display.....Volume ppm referenced to dry flue gas
 Measurement principle.....Electrochemical Sensor
 Range.....0-3,000 vol. ppm (continuously up to 1,000);
 Resolution.....1 vol. ppm
 Accuracy.....± 5 Vol.-ppm (< 100 ppm), otherwise 5% of reading

Nitrogen dioxide concentration (NO₂) in flue gas (optional)

Display.....Volume ppm referenced to dry flue gas
 Measurement principle.....Electrochemical sensor
 Range.....0-1000 vol. ppm (continuously up to 200); resolution 1 vol. ppm
 Accuracy.....±5 vol. ppm (< 100 ppm), otherwise 5% of reading

Sulfur dioxide (SO₂) in flue gas (optional)

Display.....Volume ppm referenced to dry flue gas
 Measurement principle.....Electrochemical sensor
 Range.....0-5,000 vol. ppm; resolution 1 vol. ppm
 Accuracy.....± 10 vol. ppm (0...200 ppm), otherwise 5% of reading

Chimney draft / differential pressure (PD) with 4 Pa test (Wohler A 550)

Display.....inWC
 Measurement principle.....Semi-conductor diaphragm
 Range.....0.00 to ± 44.16 inWC; resolution 0.004 inWC (< 4.01 inWC),
 otherwise 0.004 inWC, with ventilation loss measurement 0.004 inWC
 Accuracy.....0.0012 inWC (< 0.04 inWC), otherwise 3% of reading
 Drift < 0.00081 inWC in 5 minutes

Chimney draft / differential pressure (PD) (Wohler A 550 L)

Display.....inWC
 Measurement principle.....Semi-conductor diaphragm
 Range.....0.00 to ± 44.16 inWC; resolution 0.004 inWC
 Accuracy.....0.008 inWC (< 0.16 inWC), otherwise 5% of reading

Flue gas temperature (T_g)

Display.....°F
 Measurement principle.....Thermocouple (NiCr-Ni) (NiCr-Ni)
 Range.....-4 °F to 1,472 °F; resolution 32.18 °F
 Accuracy.....32-271.4 °F: ± 35.6°F
 271.4-1,472 °F: ± 1.5% of reading

Combustion air temperature (T_a)

Display.....°F
 Measurement principle.....Thermocouple (NiCr-Ni)
 Range.....-4 °F to 212 °F; resolution 32.2 °F
 Accuracy.....± 33.8°F

Wood moisture

Display.....Mass of water referenced to dry fuel mass
 Measurement principle.....Electrical resistance measurement
 Range.....10.0-40.0%; resolution 0.1%
 Accuracy.....±40% of reading tested to VDI 4206 Part 4

Power supply.....Lithium-Ion, rechargeable battery 3.7 V, 5800 mAh,
 charges via USB

Battery operating time.....Approx. 12 h (depends on operating status and display illumination)

Storage temperature.....-4 °F to +122 °F

Operating temperature.....+41-104 °F to maintain stated accuracy

Weight.....2.75 lbs

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

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



48 MONTH WARRANTY

Device and sensors¹



SIMPLE TO USE

Switch on – read off – done



7" COLOR TOUCHSCREEN

Displays up to 14 values at a glance



EXPANDABLE WITH UP TO 4 SENSORS

(Wohler A 550 only)



WOOD MOISTURE MEASUREMENT

and spillage test



AUTOMATIC CO CLEAN OUT PUMP

Protects CO sensor



CHARGES VIA USB



INTUITIVE OPERATION

What you see is what you get



COMPATIBLE WITH THE WOHLER A 550

for Android



DATA TRANSFER VIA BLUETOOTH®

USB, Bluetooth® or infrared



1,000 MEASUREMENT

ADDITIONAL INFORMATION

Scope of Delivery:

Wohler A 550, No sensor, NO2 sensor, SO2 sensor, 10 ft hose and 1 ft. gas probe, air temperature probe, 1 clamping cone, USB charger with micro USB cable, Li-Ionen battery, 1 water stop filter, 1 coarse filter, 25 wadding filters, carrying case, TD 100 thermal printer

Property	Value
CO Range	bis 35.000 ppm
TÜV certified for	Adjustment Control
Energy efficiency / 4 Pa-Test	No
Touch Screen	Yes
Interface	USB, IR
Long Time Sensor	Yes
NO Sensor	No
Backdraught Testing	Yes
Wood Humidity	Yes