WÖHLER

NEW

COMPACT, RUGGED, LOADED WITH SMART FUNCTIONS

Wohler A 450 Flue Gas Analyzer

The new compact class – sturdy and smart

The Measure of Technology

Made in Germany

WIRELESS LAN
TRANSMISSION

5"
TOUCHSCREEN

PRINTER

USB

1.5
LBS

A 450 APP
(Android & iOS)

CO
AMBIENT

WÖHLER
TUNING GUIDE

PC
SOFTWARE

Wohler A 450 Flue Gas Analyzer

The new compact class – sturdy and smart

A flue gas analyzer that offers all measurement and tuning functions. A small and lightweight flue gas analyzer enclosed in an eye-catching, sturdy housing. The Wohler A 450 is a handheld device with user friendly touchscreen control, displays all measurement data on screen or connect and view on your smart devices.

Compact with a full range of functions

The Wohler A 450 is a sturdy measuring device that combines solid workmanship with a clear color display. All measured values are displayed clearly at a glance. The Wohler A 450 is a well rounded tool that offers flue gas analysis, draft measurement, burner tuning guide, adjustment tasks on gas and oil systems and even solid fuel fireplaces. The Wohler A 450 device is compact and lightweight by design and is guaranteed to be user friendly. The menu consists of icons similar to those known from smartphones, you simply tap an icon to open the individual menu items.

Smart functions

In addition to the user-friendly convenience of the touchscreen, the Wohler A 450 also offers other advantages that "smart devices" provide. You are able to transmit all measurement data to a mobile device (smart-phones, tablets by Android and iOS) via Wireless LAN. These devices can then display the measurements as numerical values or as a graph in the Wohler A 450 app. The app gives technicians the option of reading measurements already taken and also the ability to take new measurements through the app. This proves to be beneficial when measuring at points with poor accessibility. The measurement data can be saved in different formats and sent to the customer by email.

ADVANTAGES

- Switch on – read off – done
- Rugged and compact analyzer that offers all measurement and tuning functions
- High-resolution 5" color touchscreen: 14 measured values available at a glance
- State of the art technology with network connectivity via wireless LAN
- Free Wohler A 450 App available on the App Store or Google Play

All measured values available at a glance with high-resolution display.

Wohler A 450 app: Displaying the measured data on a mobile device.

Printout of the measured data on site.

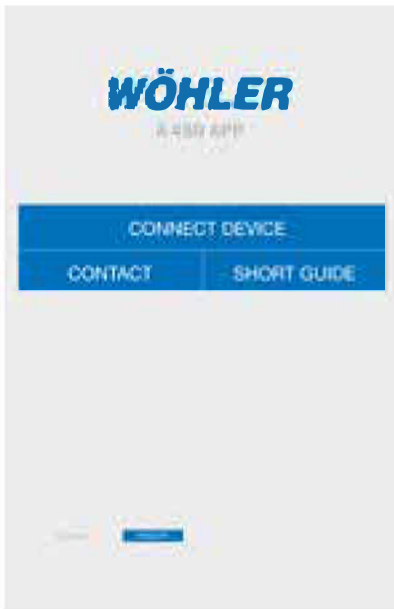The tuning guide offers an advanced guidance to properly adjust the burner.

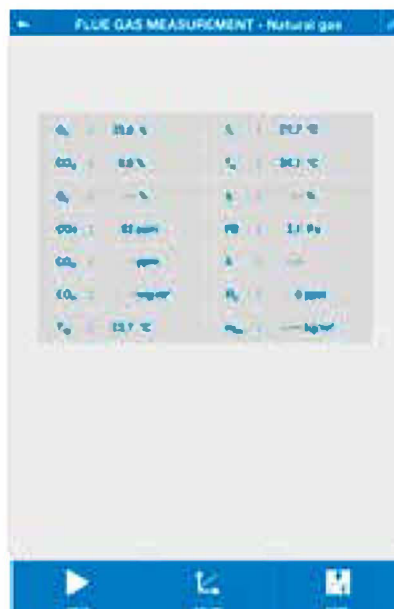Simple maintenance – The condensate trap can easily be removed.

Sturdy and enclosed in a case.

Wöhler A 450 APP

Do you prefer to use your smartphone or tablet for all your work? The Wöhler A 450 app is exactly what you need for measuring and adjustment tasks. Available for both Android and iOS devices!

Start screen Wohler A 450 app

All measured values available at a glance

Sending the measurement data to customer

ADVANTAGES

- Remote control of measurements at locations where access is difficult
- Direct Wireless LAN connection to a smart device – future-proof connectivity
- Data can be sent from smartphone/tablet by email

✕ Application

· Residential flue gas analysis
· Service and maintenance tasks
· Determine flue gas loss and burner tuning
· Immission control measurements (1st BImSchV)
· NO measurement (optional)
· Differential pressure / gas pressure measurement

⚙ Functionality

· Simple to use
· Large 5" color touchscreen: Displays up to 14 measurement readings
· Intuitive to operate via on-screen keyboard
· Graphic hotspot search

⚲ Safety / Reliability

· 48 month warranty[1]
· Effective condensate protection
· Multistage filter technology incl. water stop filter
· Electronic filter monitor with illuminated condensate trap
· Analyzer and sensor diagnostics
· Field replaceable sensors – user-friendly
· Rechargeable battery operating time: more than 6 h with lithium ion power
· Hose assembly – robust and flexible

☁ Data management

· Store up to 1,000 customer records
· Data transmission by USB, Wireless LAN or infrared
· Wohler A 450 app included

TECHNICAL DATA

Oxygen concentration (O_2) 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_v 10,000 ppm) in flue gas
Display ....Volume ppm referenced to dry flue gas
Measurement principle............Electrochemical sensor, not H_2 compensated
Range ....0-10,000 vol. ppm; resolution 1 vol. ppm
Accuracy ....±20 ppm (< 400 ppm), otherwise 10% of reading (if H_2 < 5% of reading)

Nitric oxide concentration (NO_v) in flue gas (optional)
Display ....Volume ppm referenced to dry flue gas
Measurement principle............Electrochemical Sensor
Range ....0-3,000 vol. ppm, resolution 1 vol. ppm
Accuracy ....± 5 Vol.-ppm (<100 ppm), otherwise 5 % of reading

Chimney draught / differential pressure (P_D) (article 4520/4502)
Display ....Pascal
Measurement principle............Semi-conductor diaphragm
Range ....0.00 to ± 110.00 hPa; resolution 1 Pa
Accuracy ....2 Pa (< 40 Pa), otherwise 5% of reading

Flue gas temperature (T_s)
Display ....°F
Measurement principle............Thermocouple (NiCr-Ni)
Range ....68-1472 °F
Accuracy ....0-271.4 °F
271.4-1472 °F: ± 1.5 % of reading

Combustion air temperature (T_A)
Display ....Fahrenheit
Measurement principle............Thermocouple (NiCr-Ni)
Range ....68-212 °F
Fahrenheit ....± 1°F

Power supply
Wohler A 450 L.......................Lithium-Ion, rechargeable battery 3.7 V, 2,250 mAh, charges via USB

Battery operating time
Wohler A 450 L.......................approx. 6 h (depends on operating status and display illumination)

Charging time
Wohler A 450 L.......................approx. 3 h
Storage temperature ....-4-122 °F
Operating temperature ....41-104 °F
Weight ....1.5 lbs.
Dimension ....6x4x1.5 inches
Length of the probe hose .....5 ft.

Kit and Accessories

Wohler A 450 L Flue Gas Analyzer | Qty

Wohler A 450 L Flue Gas Analyzer
Maintenance and setting tasks

Wohler A 450 L Flue Gas Analyzer, 5,000 ppm CO sensor, Wireless LAN, USB and IR interfaces, Flue gas probe 1 ft. with 1.5 m hose assembly, USB battery charger with micro USB cable, Rechargeable lithium ion battery, 3.6 V / 2250 mAh

P/N 8174

Kits | Qty

Standard Set
Maintenance tasks for Wohler A 450

Plastic case MIDI Wohler A 450, 10,000 ppm CO Sensor, Clamping cone, Water stop filter (3x), Cotton filter (25x), Wohler TD 100 fast thermal printer

P/N 8387

Advanced Set
Maintenance tasks for Wohler A 450

Plastic case MAXI Wohler A 450, 10,000 ppm CO Sensor, Combustion air temperature probe 1 ft., Clamping cone, PTFE cone, Water stop filter (3x), Cotton filter (25x), Differential pressure measurement set, Wohler TD 100 fast thermal printer

P/N 8389

Professional set
Maintenance tasks for Wohler A 450

Aluminum frame case Wohler A 450, 10,000 ppm CO Sensor, Combustion air temperature probe 1 ft., Combustion air temperature plug, Magnetic mount, Clamping cone, PTFE cone, Water stop filter (3x), Coarse filter (5x), Cotton filter (25x), Differential pressure measurement set, Wohler TD 100 fast thermal printer, Thermal paper, Wohler RP 72 smoke test pump, Wohler A 450 PC software

P/N 8390

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