

WÖHLER

CATALOG

PRODUCTS FROM THE MANUFACTURER
M E A S U R E | I N S P E C T | C L E A N

The Measure of Technology



WORKING TOGETHER

For over 80 years, the name Wöhler has been synonymous with quality and progressive innovations in the field of measuring instruments, visual inspection systems and cleaning equipment for heating, ventilation and facility management applications.

Working on the basis of many years of experience, close contact to customers, comprehensive skills in all technical disciplines, Wöhler develops products that are tailored to each customer's needs. Chimney sweeps, plumbing, heating and air conditioning contractors, construction specialists and industrial customers worldwide rely on technology made by Wöhler.

As an international family-owned business, we closely cooperate with customers and vendors on a partnership basis. Continual growth and long-term success are assured by both trust-based cooperation and a passion for technology.

Elmar Schrader
President of Wöhler USA Inc.

HIGHLIGHTS

POWERFULLY SIMPLE.

Wohler A 550
FLUE GAS ANALYZER

Flue gas analysis at your finger tip

Page 24

UNIQUELY
CLEAN VIEW.

Wohler VIS 350
VISUAL INSPECTION SYSTEM

Full color pan & tilt camera head with built-in recording and sonde, position indicator, home function and locator

Page 68



PENETRATING VIEWS
THROUGH CONCRETE
AND ASPHALT.

Wohler L 200
LOCATOR

Exact location of camera head

Page 85

MODULAR
POINT OF VIEW.

Wohler VIS 400
MODULAR VISUAL INSPECTION SYSTEM

Professional visual inspection system

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WOHLER WORLDWIDE



HEADQUARTERS USA



Wohler USA Inc.
5 Hutchinson Drive
Danvers, M.A. 01923
Tel.: +1 978 750 9876
Fax: +1 978 750 9799
Internet: www.wohlerusa.com
e-mail: info@wohlerusa.com

HEADQUARTERS GERMANY



Wöhler MGKG GmbH
Schützenstraße 41
33181 Bad Wünnenberg
Tel.: +49 2953 73-279
Fax: +49 2953 73-96 279
Internet: www.woehler.de
e-mail: international@woehler.de

SUBSIDIARY COMPANIES



Wöhler France SARL
16 Chemin de Fondeyre
31200 Toulouse
Tel.: +33 561524039
Fax: +33 637003725
Internet: www.woehler.fr
e-mail: info@woehler.fr



Wöhler Italia Srl
Corso della Libertá 93
39100 Bolzano
Tel.: +39 471 40-2422
Fax: +39 471 40-6099
Internet: www.woehler.it
e-mail: info@woehler.it



Wöhler Bohemia s.r.o.
Za Naspem 1993
39301 Pelhrimov
Tel.: +420 565 3490 19
Fax: +420 565 3230 78
Internet: www.woehler.cz
e-mail: bohemia@woehler.cz



Wöhler Austria GmbH
Heinrich-Schneidmadl-Str. 15
3100 St. Pölten
Tel.: +43 2742 90 855 11
Fax: +43 2742 90 855 22
Internet: www.woehler.at
e-mail: info@woehler.at



Wöhler Netherlands
Tel.: +31 35 77 32 585
Fax: +31 35 77 32 582
Internet: www.woehler.nl
e-mail: info@woehler.nl

DEVELOPMENT

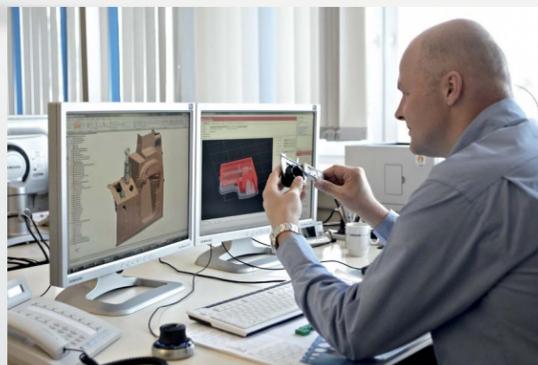
FUTURE MADE BY WÖHLER

Our prescription for innovative product ideas is experience of many years, a lot of competence and fascination for technology. Also close cooperation with our customers and experts from business, trade organizations and universities are the basis for our long-lived products. Together we develop trend-setting and practice-oriented innovations for you for decades.



HARDWARE & SOFTWARE DESIGN – IN LINE WITH STANDARD USAGE & THOUGHT OUT CAREFULLY

Devices must be easy to use. That is possible only with a proven technology. The mechanics, electronics, instrument software and the supporting PC-programs must be user-friendly. Therefore we stay in close contact with you – ultimately the most important and best suggestions for improvement come from practical applications.



CONSTRUCTION – INNOVATIVE & ACCURATE TO SIZE

Together manufacturing and production work hand in hand. Each product is designed three-dimensionally on the computer - both technical requirements and ergonomic aspects play a primary role. Prepared program data is transferred directly into our CNC machines that produce the mechanical components for your equipment - in this way we guarantee a fast and error free production process.



PRODUCTION

IDEAS BECOME REALITY

Production and development cooperate closely here - therefore we can react quickly and accurately to changes in the marketplace or customer requirements. We can guarantee high quality and productivity through computer-controlled production methods and modern technology.



CNC-MANUFACTURING – MODERN & EFFICIENT

Precise, automatic and fast; those are three characteristics, which we value in our CNC machines. 'Computerized Numerical Control' means that the machines are electronically directed and regulated. Because that saves time and money, we offer our in-house produced devices at a fair price and at the highest level of technology.



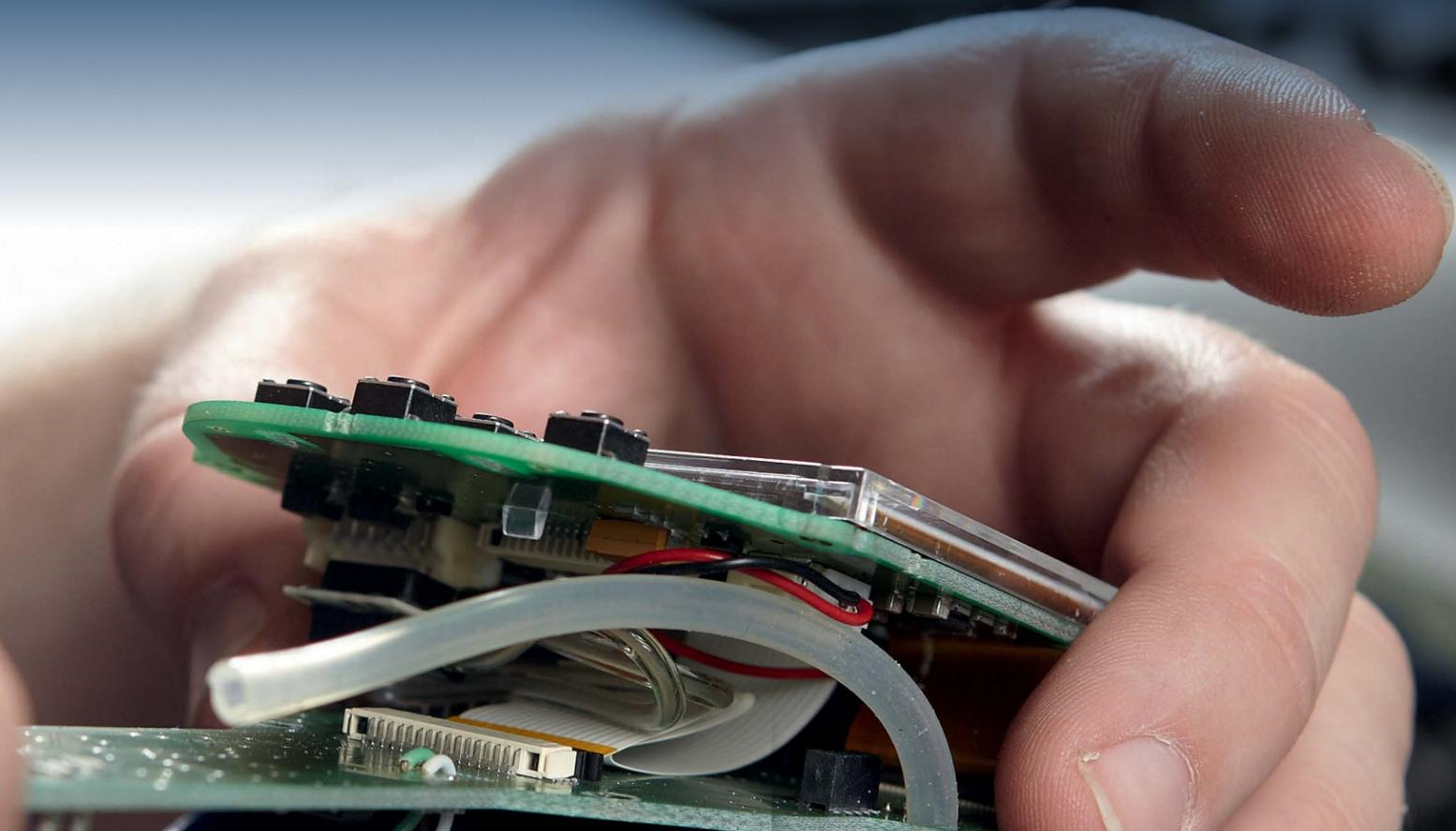
ASSEMBLY – CAREFUL & RELIABLE

Reliable assembly is obvious with us. No equipment leaves our warehouse without detailed final inspection. This way we can guarantee that our instruments meet the highest standards and will serve our customers for many years. Absolute reliability is the basis for the bond of trust between you as a user and us as a manufacturer.

SERVICES

WE ARE THERE FOR YOU

As a manufacturer we develop, produce, advise and sell for you! Accurate answers are therefore our speciality. Thorough and continuous training ensure that our coworkers can support you before and after the purchase in a timely and competent manner. With us you are in good hands!



CONSULTATION & SERVICE – INDIVIDUAL & COMPETENT

Each purchase decision should be well thought out. Therefore you can test our devices not only at trade shows or exhibitions, but you can also get detailed, individual advice by telephone or in our sales offices. Also in the case of service requirements we do not leave you alone: in our sales and service stations we help you directly and competently.



DISPATCH & LOGISTICS – RELIABLE & PUNCTUAL

Our products should be delivered to you as fast as possible. Our coordinated team - reliable coworkers and a well thought out management support system work so well together that in-stock orders will be shipped within 48 hours of receiving an order. Thanks to cooperation for many years with our logistics partners we guarantee that the products reach their new owner as fast as possible.

APPLICATIONS



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PRODUCT OVERVIEW FLUE GAS ANALYSIS



Wohler A 400 L
Flue Gas Analyzer

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Wohler A 400^{PRO}
Flue Gas Analyzer

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Wohler A 550 L
Flue Gas Analyzer

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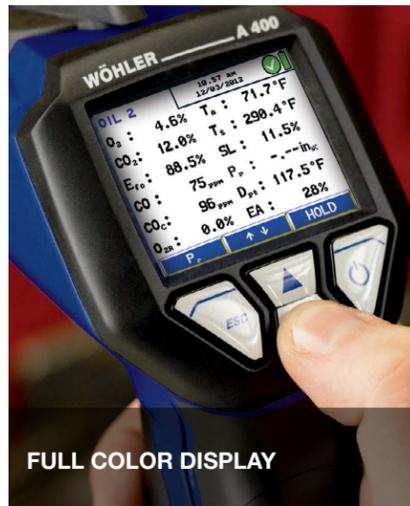
Wohler A 550
Flue Gas Analyzer

page 29

| APPLICATIONS | | | | |
|--|----------------|---------------|----------------|-----------------|
| Residential | • | • | • | • |
| Commercial | | | • | |
| Manifold and Differential Pressure | • | • | • | • |
| Tuning Guide | • | • | • | • |
| Data Management | • | • | • | • |
| SENSORS | | | | |
| O ₂ | 0...21% | 0...21% | 0...21% | 0...21% |
| CO | 0...10,000 ppm | 0...4,000 ppm | 0...35,000 ppm | 0...4,000 ppm |
| CO high | | | | 0...100,000 ppm |
| NO | | 0...1,000 ppm | 0...3,000 ppm | 0...3,000 ppm |
| SO ₂ | | | | 0...5,000 ppm |
| NO ₂ | | | | 0...1,000 ppm |
| Stack Temperature | 32...1,472 °F | 32...1,472 °F | -4...1,472 °F | -4...1,472 °F |
| Supply Air Temperature | -4...248 °F | -4...248 °F | -4...212 °F | -4...212 °F |
| Differential Pressure | 40.15 inWC | 40.15 inWC | 44.16 inWC | 44.16 inWC |
| Warranty | 2 years | 4 years | 4 years | 4 years |
| OPERATION FEATURES | | | | |
| Touch-Screen | | | • | • |
| Full Color Display | • | • | • | • |
| Infrared port for printer | • | • | • | • |
| Bluetooth port for computer | | | | • |
| SAFETY FEATURES | | | | |
| Self Diagnosis for Sensors (S) and Instrument (I) | • | • | • | • |
| CO-valve (V) and CO purge-pump (P) | | | | • |
| 4 or 6 Filter Technology | 4 | 4 | 4 | 4 |
| Filter and Pump Monitor | • | • | • | • |
| Field Replaceable Sensors (F) / Longtime Sensors (L) | F | F / L | F / L | F / L |

GET A GRIP ON COMBUSTION WITH ONE HAND!

The Wohler A 400 Flue Gas Analyzers are multi-functional instruments (flue gas, differential pressure, ambient CO) for residential and light commercial applications. Its unique design allows a comfortable one-hand operation with a technician-friendly 4 button key pad. Integrated magnets make even a hands-free operation possible. Your eyes will love the brilliant full color OLED display which shows all combustion values on one screen. The self-diagnosis functions with an alarm makes the instrument reliable and failsafe. We provide a full 4 year warranty for the instrument and LT-Sensors.



FULL COLOR DISPLAY



WOHLER TUNING GUIDE



ONE-HAND OPERATION



FEATURES AND BENEFITS

- Color OLED display – all combustion data values on one screen
- Zoom function
- Integrated magnetic holder
- Technician-friendly 4 button keypad
- Ergonomic shape: comfortable one-hand operation
- Graphic function
- User selectable units for temperature, pressure and CO

SAFETY / RELIABILITY

- Integrated 4-filter technology including water stop filter, cotton filter, sample conditioner and sensor protection
- LT-sensors
- Full 4 year warranty on instrument including sensors¹⁾
- Continuous self-diagnosis with feedback for:
 - All sensors
 - Instrument functions
 - Condensate

DATA MANAGEMENT

- Memory for 100 customer records
- Date and time stamp

VARIETY OF APPLICATIONS

- Wohler Tuning Guide with graphical support
- Combustion and efficiency analyzer for residential and light commercial applications
- Ambient CO tester
- Flue gas CO tester (CO air free)
- Differential manometer for chimney draft and appliance manifold pressure
- Graph feature for all combustion readings

APPROVALS

- TÜV approved
- EN 50379-2
- EN 50379-1 for CO

¹⁾Wohler A 400/A400^{PRO}, except for thermocouples and batteries; for further information see our warranty guidelines

TECHNICAL DATA

| | |
|---|---|
| Oxygen (O₂) | Sensor type.....electrochemical |
| Range.....0.0...21.0 Vol.-% | Resolution.....0.1 Vol.-% |
| Accuracy.....± 0.3 Vol.-% | |
| Carbon monoxide (CO) (Wohler A 400^{PRO}) | Sensor type.....electrochemical |
| Range.....0...4,000 ppm | Resolution.....1 Vol.-ppm |
| Accuracy.....± 5 % f.m., absolute ±20 ppm | |
| Carbon monoxide (CO) (Wohler A 400 L) | Sensor type.....electrochemical |
| Range.....0...10,000 ppm | Resolution.....1 ppm |
| Accuracy.....± 10 % f.m., absolute ±40 ppm | |
| Nitric oxide (NO) (Wohler A 400^{PRO}) | Range.....0...1,000 ppm |
| Resolution.....1 Vol.-ppm | Accuracy.....± 5 % f.m., ± 5 Vol.-ppm (<100 ppm) |
| Draft / Differential Pressure (PD) | Unit.....inWC / psi / Pascal / mbar |
| Range.....± 40 inWC | Resolution.....0.004 inWC |
| Accuracy.....± 2 % f.m., absolute ± 0.020 inWC | |
| Flue Gas Temperature (T_g) | Unit.....°F / °C |
| Sensor type.....thermoelement (NiCr-Ni) | Range.....-4 °F...1,472 °F |
| Resolution.....0.2°F | Accuracy.....32...257 °F: ± 4 °F |
| | 257...482 °F: ± 6 °F |
| | 482...752 °F: ± 8 °F |
| | 752...1472 °F: ± 1.5 % f. m. |
| Supply Air Temperature (T_a) | Unit.....°F / °C |
| Sensor type.....semiconductor (Si-PTC-Ni) | Range.....-4 °F...248 °F |
| Resolution.....0.2 °F | Accuracy.....±2 °F |
| Calculated Values | Effic. / SL:.....efficiency and losses calculated in accordance to ASME standards |
| ETA / QS:.....efficiency and losses calculated in accordance to EN European standards | CO ₂ in Vol.-%:.....range 0 – CO _{2,max} , resolution 0.1% |
| CO ₂ :.....CO concentration (CO _{2,corrected}) air free, adjustable O _{2,ref} reference level | Dew point:.....in °C / °F |
| λ/EA.....Lambda (theoretical air), Excess Air | m _{COND}condensate quantity in condensing conditions |
| Work temperature+41 °F...104 °F to meet specifications | Storage temperature-4 °F...122 °F |
| Battery lifetimeAA batteries > 10 h (NiMH, 2000 mAh) | Weight1.4 lbs. |
| Size8" x 3.3" x 8.7" (without probe) | Length cable-hose67" |

Wohler A 400 L Flue Gas Analyzer



APPLICATION:

- Combustion and Efficiency Analyzer for residential and light commercial applications

ADVANTAGES:

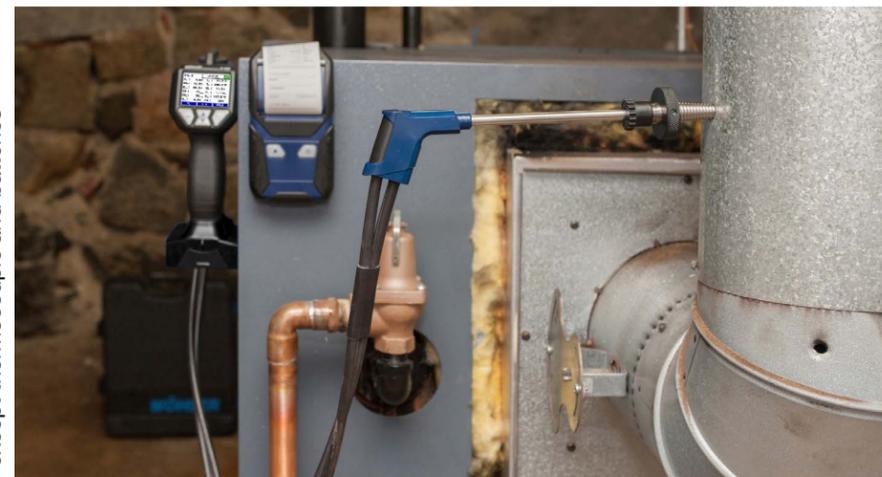
- All combustion data values on a bright full color display
- Integrated magnetic holder
- Technician friendly 4 button keypad
- Ergonomic shape: comfortable one hand operation
- Integrated 4-filter technology including water stop filter, cotton filter, sample conditioner and sensor protection
- 2 year full warranty on instrument including sensors¹⁾
- Memory for 100 customer records
- Date and time stamp

Wohler A 400 L Kit USA version

- Wohler A 400 L
- disposable AA batteries
- Wohler TD 100 Thermal Printer
- plastic case

→ Accessories on page 22

Part no. 4625



¹⁾except thermocouple and batteries

Wohler A 400^{PRO} Flue Gas Analyzer



APPLICATION:

- Multifunctional Combustion Analyzer for residential and light commercial applications

ADVANTAGES:

- LT-sensors (full 4 year warranty incl. sensors)
- Ergonomic shape: one hand operation with a 4 button key pad
- Brilliant OLED full color display technology
- Multi-functional: combustion and efficiency analyzer, ambient CO tester, flue gas CO tester (CO air free), differential manometer
- Safety: integrated smart filter technology, condensate control with LED warning light, sensor diagnostics, continuous self diagnosis with feedback

¹⁾except thermocouple and batteries

Wohler A 400^{PRO} USA Set 1 (Standard)

- Wohler A 400^{PRO} USA
- probe/hose assembly
- disposable batteries
- water stop filter
- 25 cotton filters
- heavy duty carrying case

→ Accessories on page 22

Part no. 3356

Wohler A 400^{PRO} USA Set 2 (Advanced)

- Wohler A 400^{PRO} USA
- probe/hose assembly
- rechargeable batteries
- charger
- water stop filter
- 25 cotton filters
- cone
- air temperature probe
- Wohler TD 100 Thermal Printer
- heavy duty carrying case

→ Accessories on page 22

Part no. 3359

Wohler A 400^{PRO} USA Set 3 (Professional)

- Wohler A 400^{PRO} USA
- probe/hose assembly
- rechargeable batteries
- charger
- water stop filter
- 25 cotton filters
- cone
- air temperature probe
- Wohler TD 100 Thermal Printer
- Wohler RP 72 Smoke Test Kit
- heavy duty carrying case

→ Accessories on page 22

Part no. 3361

Printer **Part no.**



Wohler TD 100 Thermal Fast Printer
Infrared printer with 1 roll thermal paper and four batteries

4160



Thermal Paper
2.24" width, 10 rolls
for thermal printer Wohler TD 100 and TD 600

4145

Probes / Cable Hoses **Part no.**



Air Temperature Probe 11"
for Wohler A 600 / A 400
with 67" cable, to measure the supply air temperature especially in fire places independent of ambient air

6019



Probe/hose assembly Wohler A 400 V2
Probe and hose assembly for A 400

5576



Flexprobe Wohler A 400^{PRO} with hose
cable hose 67" with flexible probe 12"

3241



Extension for cable hose
Wohler A 400, 110"

2077

Cones **Part no.**



Clamping Cone
for probes 8 mm dia
stainless steel, to stabilize the gas probe in the flue pipe

2494



Threaded Cone
for probes 8 mm dia

2495



Plastic Cone
for air temperature probe
for probes 8mm in dia, to stabilize air temperature probes in openings of 10-15 mm

2463

Charger / Batteries **Part no.**



Wohler A 400 / 500 Quick Charger
for NiCd and NiMH rechargeables
with net adapter EU, US, GB. Charging period approx. 3 hrs.

3302



Set of 4 rechargeable NiMH batteries
2000 mAh for Wohler A 400/A500

9407

Cases **Part no.**



Plastic case Wohler A 400L
Plastic case for Wohler A400L

4681



Plastic case Wohler A 400 USA
Heavy duty carrying case, with twin wall for document storage, for A 400

3319

Filter **Part no.**



Service bag Wohler A 400
comes with:
1 water stop filter, 25 cotton filters, O-ring, cotton holder and filter connection

3776



Water Stop Filters
3 pack
for Wohler A 600 / A 500 / A 550 / A 400

9621



Wadding filters A 400
pack with 150 pieces
for Wohler A 400

4288

Cover Lables **Part no.**



Round foil test hole seals
Ø 1.1" Aluminium
(100 pcs)

4964

Sensors **Part no.**



O₂ sensor Wohler A 400
O₂ sensor, field replaceable, 1 year warranty

3354

CO sensor Wohler A 400
CO sensor, field replaceable, 4,000 ppm, 1 year warranty

3368

POWERFULLY SIMPLE NEW

Wohler A 550 Flue Gas Analyzer

As robust as cast iron, but as easy to operate as a smartphone – that’s what Wohler’s new flue gas analyzer feels like in your hand. Appropriately, the advantages are equally substantial: A tap of your finger on the Wohler A 550 is all that is required to perform analyses, inspections and settings on residential and commercial appliances. The flue gas analyzer is equipped with coded connections for the 4 Pa test and even »NEW AND UNIQUE« a wood moisture content measurement function to VDI Guideline 4206 (VDI = Association of German Engineers).



EASY TO USE WITH A CLEAR DESIGN
Flue Gas Analysis is child’s play.



ROBUST & WEAR-RESISTANT
The analyzer is able to withstand a thing or two.

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



PRODUCT BENEFITS

- 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 (Wohler A 550)
- Graphic hot spot search

EXTREMELY RELIABLE

- Effective condensate protection
- Automatic CO clean out pump protects CO sensor (Wohler A 550)
- 4-filter technology – easily accessible
- Analyzer and sensor diagnostics
- Sensor replacement – user-friendly
- Rechargeable battery operating time: more than 12 h with Lithium Ion power
- Hose assembly – robust and flexible

HUGE RANGE OF APPLICATIONS

- Expandable with up to 5 sensors
- For measurements: NO, NO₂, SO₂
- Insertion probe for a variety of measurement tasks
- Spillage Test and much more
- First Flue Gas Analyzer incl. wood moisture content measurement (wood moisture probe included in scope of supply of Wohler A 550)

SIMPLE DATA MANAGEMENT

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



PRINTING OUT THE RESULTS OF MEASUREMENT
Printing out the results on the spot with the Wohler TD 100 Thermal Printer.

TUNING GUIDE

PRINT PREVIEW

WOOD MOISTURE

BACKDRAFT TEST

TÜV-APPROVED

- TÜV By RgG 297, EN 50379-2, VDI 4206, EN 50379-1 for CO

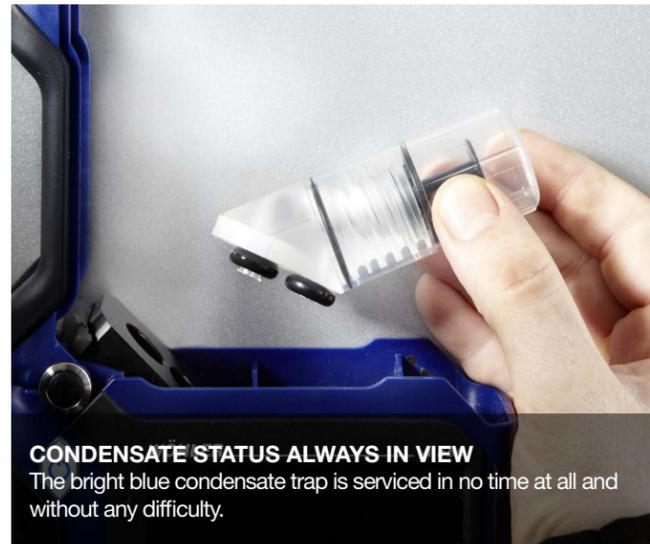


SECURE & RELIABLE
The Wohler A 550 Combustion Analyzer with protective hinged lid.

THOSE SPECIAL EXTRAS



LARGE 7" COLOR TOUCHSCREEN
All results of measurement at a glance - Simple to use menu navigation: Switch on - read off - done.



CONDENSATE STATUS ALWAYS IN VIEW
The bright blue condensate trap is serviced in no time at all and without any difficulty.



THE RIGHT PROBE FOR EVERY APPLICATION
The right probe is connected in no time at all.



CONVENIENT PLUG-IN CONNECTION
Analysis, temperature and draft - 3 functions in a single hose: Simply plug them together and fold down the protective lid again.



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.

| Wohler | A 550 | A 550 L |
|---|----------|----------|
| Applications (depends on accessories) | | |
| Flue Gas Analysis | ● | ● |
| 4 Pa-test | ● | |
| Wood moisture | ● | ● |
| Backflow check | ● | ● |
| Wohler Tuning Guide | ● | ● |
| Possible sensors | 5 | 3 |
| 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 | | |
| 4-year sensor and analyzer guarantee ¹⁾ | ● | ● |
| Analyzer self diagnostics | ● | ● |
| Field replaceable sensors | ● | ● |
| Visual filter alarm | ● | ● |
| Lithium Ion rechargeable battery with up to 12 h battery operating time | ● | ● |
| Scope of supply | | |
| Interchangeable probe with 67" hose assembly and plug-in probe 12" | ● | |
| Probe with 67" hose assembly and fixed probe 11" | | ● |
| 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

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

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 H ₂ < 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 H ₂ < 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" |

Wohler A 550 L Flue Gas Analyzer



APPLICATION

- For burner adjustment and determination of combustion loss
- For residential and commercial applications
- Burner maintenance

ADVANTAGES

- Large 7" color-touch screen: Displays up to 14 measurement and calculation values
- Intuitive to operate via on-screen keyboard
- Data transfer via integrated USB- & IR-Interface
- Large CO-measurement range: 35,000 ppm
- Robust plastic case for safe transport



Wohler A 550 L Flue Gas Analyzer USA with Wohler TD 100 Thermal Fast Printer

| |
|------------------------------------|
| Wohler A 550 L USA |
| hose 5.6 ft |
| gas probe 0.9 ft |
| USB charger with micro USB cable |
| Li-Ion battery |
| water stop filter |
| coarse filter |
| 25 wadding filters |
| Wohler TD 100 Thermal Fast Printer |
| case |

→ Accessories on page 30

Part no. 7754

Wohler A 550 Flue Gas Analyzer



APPLICATION

- Flue gas analysis
- Backflow Check (optional)
- Wood Moisture Measurement
- 4 Pa-Test

ADVANTAGES

- Large 7" color-touch screen: Displays up to 14 measurement and calculation values
- Intuitive to operate via on-screen keyboard
- Data transfer via integrated Bluetooth®, USB- & IR-Interface
- 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
- 1,000 measurement records
- Huge range of applications: NO, NO₂, SO₂ (in connection with the Wohler Peltier cooler), ...



Wohler A 550 Flue Gas Analyzer USA with Wohler TD 100 Thermal Fast Printer

| |
|------------------------------------|
| Wohler A 550 USA |
| hose 10 ft |
| gas probe 1 ft |
| air temperature probe |
| clamping cone |
| USB charger with micro USB cable |
| Li-Ion battery |
| water stop filter |
| coarse filter |
| 25 wadding filters |
| Wohler TD 100 Thermal Fast Printer |
| case |

→ Accessories on page 30

Part no. 7757

Wohler A 550 Flue Gas Analyzer USA with NO/NO₂ with Wohler TD 100 Thermal Fast Printer

| |
|------------------------------------|
| Wohler A 550 USA |
| NO and NO ₂ sensor |
| hose 10 ft |
| gas probe 1 ft |
| air temperature probe |
| clamping cones |
| USB charger with micro USB cable |
| Li-Ion battery |
| water stop filter |
| coarse filter |
| 25 wadding filters |
| Wohler TD 100 Thermal Fast Printer |
| case |

→ Accessories on page 30

Part no. 7764

Wohler A 550 Flue Gas Analyzer USA NO/NO₂/SO₂ with Wohler TD 100 Thermal Fast Printer

| |
|--|
| Wohler A 550 USA |
| NO, NO ₂ and SO ₂ sensor |
| hose 10 ft |
| gas probe 1 ft |
| air temperature probe |
| clamping cone |
| USB charger with micro USB cable |
| Li-Ion battery |
| water stop filter |
| coarse filter |
| 25 wadding filters |
| Wohler TD 100 Thermal Fast Printer |
| case |

→ Accessories on page 30

Part no. 7765

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

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

| Wohler A 550 Upgrade Kit | Part no. |
|--------------------------|----------|
|--------------------------|----------|



Wohler A 550 Upgrade Kit
Wohler A 550 air temperature probe 11" with 67" cable, clamping cone

7758

| Probes | Part no. |
|--------|----------|
|--------|----------|



Wohler A550 air temperature probe
11", with 67" cable

5511



Wohler Probe 20"
Wohler A 550/A 500/ A 97

9614



Wohler Probe 12"
Wohler A 550/A 500/ A 97

9622



Wohler Probe 7"
Wohler A 550/A 500/ A 97

9613



Wohler Probe 5"
Wohler A 550/A 500/ A 97

9652



Wohler Flexible Probe 12"
Wohler A 550 / 500

3242



Wohler A 550 dew point indicator probe

5512



Wood Moisture Probe Wohler A 550

5513



Hose assembly 10 ft
for Wohler A 550 Gas Probe

7179

| Cones | Part no. |
|-------|----------|
|-------|----------|



Magnetic Holder
for air temperature probes

6142



Clamping Cone
for probes 8 mm dia
stainless steel, to stabilize the gas probe in the flue pipe

2494



Plastic Cone
for air temperature probe
for probes 8mm in dia, to stabilize air temperature probes in openings of 10-15 mm

2463

| Flue Gas Preparation | Part no. |
|----------------------|----------|
|----------------------|----------|



Filter granulate
for BHKW Filter Wohler A 550
3.4 oz

4398



Peltier cooler Wohler A 550 / A 400
incl. power supply

5535



Extension Wohler Cable hose
Wohler A 550 L, 9 ft

2076

| Printer | Part no. |
|---------|----------|
|---------|----------|



Wohler TD 100 Thermal Fast Printer
Infrared printer with 1 roll thermal paper and four batteries

4160

Thermal Paper
2.24" width, 10 rolls
for thermal printer Wohler TD 100 and TD 600

4145

| Charger | Part no. |
|---------|----------|
|---------|----------|



Charger Wohler A 550

5502

| Cases | Part no. |
|-------|----------|
|-------|----------|



Plastic case Wohler A 550 L

5516



Wohler A 550 Heavy duty carrying case
twin-wall case
Heavy duty carrying case, with twin wall for document storage, for Wohler A 550

5577

| Consumables | Part no. |
|-------------|----------|
|-------------|----------|



Water Stop Filters
3 pack
for Wohler A 600 / A 500 / A 550 / A 400

9621



Coarse Filters
pack with 5 pieces
for Wohler A 600 / A 500 / A 550

9632



Wadding filters A 400
pack with 150 pieces
for Wohler A 400

4288

| Sensors | Part no. |
|---------|----------|
|---------|----------|



O₂ sensor Wohler A 550
field replaceable

5594

CO-Sensor 4,000 ppm Wohler A 550
field replaceable

8166

CO-Sensor 35,000 ppm Wohler A 550 L
field replaceable

4496

CO_H sensor 100,000 ppm Wohler A 550
field replaceable

5596

NO sensor Wohler A 550
field replaceable

5597

NO_x sensor 3,000 ppm Wohler A 550
field replaceable

5598

SO_x sensor 5,000 ppm Wohler A 550
field replaceable

5665

Wohler RP 72 Smoke Test Pump



APPLICATION

For measuring the soot level manually

ADVANTAGES

- Rugged and reliable 10 stroke Soot Test Pump
- Long hose: ideal for difficult to reach measurement openings
- Non centered soot spot, allows many tests on one filter, easy to compare
- 2 filter technology

rugged · reliable · established

Wohler RP 72 Smoke Test Pump

Wohler RP 72 Smoke Test Pump

3 ft hose

extraction probe 9"

→ Accessories on page 33

Part no. 2412

Wohler RP 72 Smoke Test Pump Kit

Wohler RP 72 Smoke Test Pump

40" hose

extraction probe 7.9"

smoke spot comparison scale

threaded cone

oil test bottle

servicing oil

300 filter papers

short wadding

long wadding

probe brush

→ Accessories on page 33

Part no. 9152

Accessories Part no.

| | | |
|---|--|--------------|
|  | Probe holder with 9" probe for Wohler RP 72 includes spiral | 7547 |
|  | Probe connector for Wohler RP 72 | 3879 |
|  | Spiral for Wohler RP 72 probe | 20401 |
|  | Probe brush 6 mm dia for Wohler RP 72 | 2419 |

Cones Part no.

| | | |
|---|---|-------------|
|  | Threaded Cone for probes 8 mm dia | 2495 |
|  | Clamping Cone for probes 8 mm dia stainless steel, to stabilize the gas probe in the flue pipe | 2494 |

Soot Test Comparison Scale Part no.

| | | |
|--|--|-------------|
|  | Wohler RP 72 Soot Spot Comparison Scale from soot number 1 to 10 | 2416 |
|--|--|-------------|

Consumables Part no.

| | | |
|---|--|-------------|
|  | Soot test filters, bag with 300 pcs for Wohler RP 72 | 2415 |
|  | Wohler RP 72 Filter Paper Dispenser with 300 pieces of filter paper | 3700 |
|  | Wadding Filters for Wohler A 500 / RP 72 condensate trap, pack with 150 pieces | 5290 |
|  | Wohler RP 72 Wadding Filters Long pack with 150 pieces | 621 |
|  | Special servicing oil for Wohler RP 72 | 2418 |

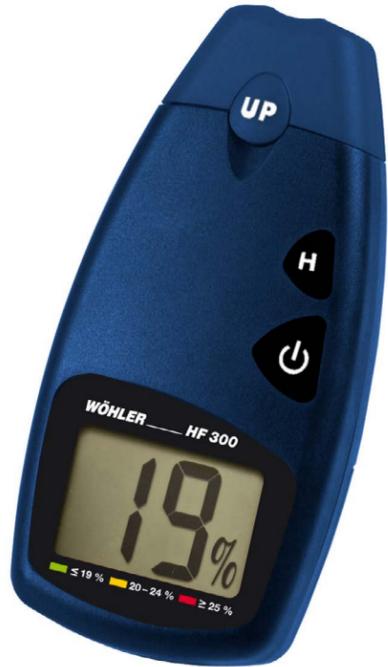
Wohler HF 300 Wood Moisture Meter

APPLICATION

The Wohler HF 300 is an easy to use instrument for determination of wood moisture. Depending on the kind of wood the needles can be pushed up to 3/16" into the log.

TECHNICAL DATA

| | |
|-----------------------|------------------------|
| Display | LCD |
| Range | 5 % to 40 % |
| Accuracy | ±1% absolute |
| Needle length | 0.5" |
| Operating temperature | 42 to 112 °F |
| Weight | 0.5 lbs. |
| Current supply | 9 V battery |
| Size | 5" x 1.7" x 0.8" |



Wohler HF 300 Wood Moisture Meter

Wohler HF 300 Wood Moisture Meter

9V battery

protective bag

1 pair of replacement pins

Part no. 7180

Accessories

Part no.



6 pairs of Replacement Pins
for Wohler HF 300

7181

Wohler HBF 420 Moisture Meter

APPLICATION

With its unique combination of electrical resistance measuring technique and dielectric measurement the Wohler HBF 420 wood and building materials moisture meter represents an ideal hand-held instrument to assess the moisture content of materials in a wide range of applications:

- Building diagnostics: Damage analysis, leak detection
- Building work: Preparatory measurements before applying paint, installing floor coverings etc.
- Fuel management: Assessing wood fuel materials

ADVANTAGES

- Ability to assess building and wood moisture with one instrument
- Dielectric measuring technique, ideal to quickly assess moisture and measure the moisture profiles of building materials
- Resistance measurements to precisely determine the moisture content of wood
- Automatic temperature compensation after entering the material temperature
- Wood species correction via material codes
- Calibration kit facilitates on-the-spot measurement value verification
- Adjustable alarm threshold



TECHNICAL DATA

Resistance measurement wood

| | |
|---------|-----------------------------|
| Range | approx. 0 to 40 % |
| Needles | 0.5", 10 kind of wood |

Dielectrical measurement (non destructive)

| | |
|--------------------|--|
| Effective depth | approx. 1.2" – 1.6" |
| | 20 material codes |
| Alarm | 3 color LED (green, yellow, red), adjustable limit |
| Auto-Off-Function: | adjustable |

Operation conditions 32...+104 °F, < 90 % r.H.

Size 6.5" x 2.4" x 1.0"

Weight 0.4 lbs (without batteries)

Power Supply 4 x 1.5 V AAA-batteries

Wohler HBF 420 Moisture Meter for wood and building materials

Wohler HBF 420 Moisture Meter

2 replacement electrodes

4 batteries 1.5 V AAA

leather bag

Part no. 8440

Accessories

Part no.



Pair of replacement pins
for Wohler HBF 420

3661



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42 | PRESSURE AND FLOW

42 | Wohler DC 410^{FLOW} Pressure Differential & Flow Meter

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44 | LEAKAGE TESTING

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PRODUCT OVERVIEW LEAKAGE AND PRESSURE



Wohler DM 2000
Digital Manometer

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Wohler DC 410^{FLOW}
Pressure Differential & Flow Meter

page 42



Wohler GS 220
Gas Sniffer

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Wohler CM 220
CO-Meter

page 45



Wohler TI 410
Dew Point indicator

page 45

| APPLICATIONS | | | | |
|---|---------------------|--|---|-----------------|
| Measurement of Gas Leakage | • | | • | |
| Manifold and Differential Pressure | • | | • | |
| Flow Measurement in ducts and chimneys | | from approx. 2.0 m/s | | |
| Backdraft Testing | | | | • |
| 4 Pa-test for supply air | | • | | |
| Ambient Air Quality | | | | CO |
| CO Concentrations in rooms and workplaces | | | | • |
| Datalogger for pressure and temperature | | • | | |
| Oil throughput measurement on burner | | | | |
| SENSOR SPECIFICATIONS | | | | |
| Differential Pressure | ± 800 inch WC | | | |
| Air Flow | | | | |
| Temperature (internal/external) | external 0...212 °F | internal 0...150 °F external 0...1,472 °F | | -40 °F...212 °F |
| Humidity | | 0...100 % r.H. | | |
| CO | | | | |
| Methane/Propane | | | • | • |
| FEATURES | | | | |
| Infrared port to connect with printer | | • | | |

Wohler DM 2000 Digital Manometer



Part no. 7006



Part no. 7335

TECHNICAL DATA

Pressure:
 Range: ± 800.00 inch WC
 Accuracy: ± 3% o.r.
 ± 0.02 inch WC
 whichever is greater
 Resolution: 0.01 inch WC

Temperature (optional):
 Range: 0 to 212 °F
 Accuracy: better than 4 °F
 Resolution: 0.1 °F

Dimensions:
 Size: 2.2" x 6.6" x 2."
 Weight: 1 lbs.
 Power: 2 AA batteries

APPLICATION

- Measures gas line and manifold pressure
- Fine tune burners with 0.01" WC resolution
- Measure draft and differential pressure
- Troubleshoot and balance HVAC systems
- Measure temperature with optional probe

Advantages:

- Simple one button operation
- Wide measurement range (± 800.00" WC)
- Measures differential pressure
- IrDA output to PC/PDA
- Optional temperature measurement
- German technology designed for and by the American Technician

Wohler DM 2000 Digital Manometer Kit US Version

- Wohler DM 2000 Digital Manometer
- 5 ft. hose
- rubber boot
- hand loop
- batteries (installed)
- carrying case

→ Accessories on page 41

Part no. 7335

Wohler DM 2000 Digital Manometer US Version

- Wohler DM 2000 Digital Manometer
- 5 ft. hose

→ Accessories on page 41

Part no. 7006

Accessories

| | Part no. | |
|---|--|-------------|
|  | Wohler Air Temperature Probe, plug A 500 / A 97 / E 98 / DC 100 / DC 2000 / DM 2000 | 9605 |
|  | Air Temperature Probe, 4" probe 4 ft. cable A 500 / A 97 / E 98 / DC 100 / DC 2000/ DM 2000 | 9651 |
|  | Combustion Air temperature probe, 11" for Wohler DM 2000 / Wohler A 550 with 5 ft. cable | 9611 |
|  | Magnetic rubber boot for Wohler DM 2000 / DC 2000 | 7202 |
|  | Carrying Case Internal size 9.6" x 6.3" x 2.6" mini plastic case with protection foam | 7204 |
|  | Handloop Hand Loop w/ swivel E98 | 9805 |

Wohler DC 410^{FLOW} Pressure Differential & Flow Meter



APPLICATION

- One instrument for measurement of pressure, air flow, temperature and relative humidity
- Is tested to comply with standards for 'Ventilation for buildings – test procedures & measuring methods for handing over installed ventilation and air conditioning systems'

ADVANTAGES:

- Brilliant full colour OLED display
- Technician friendly one hand operation with 4 button keypad
- Highly accurate with 'no drift technology'
- Pressure resolution of 0.01 inch WC
- Differential temperature with two probes
- Data logger function
- USB port

TECHNICAL DATA

Differential Pressure:
 Range:..... ± 40 inWC
 Accuracy:..... ± 3 % o.r., absolute ± 0.002 inWC
 Resolution:..... 0.001 inWC between ±4.000 inWC;
 0.01 inWC

Air speed:
 Range:..... 0.3 m/s to 120 m/s
 Continuous density correction: automatic, with temperature signal

Temperature (internal sensor):
 Range:..... 0 °F to 150 °F
 Accuracy:..... ± 2 °F
 Resolution:..... 0.1 °F

External temperature probe:
 Range:..... 2 channels, 0°F to 1,472 °F
 Accuracy:..... ± 1.5% o.r., absolute 4 °F
 Resolution:..... 0.1 °F

Relative humidity:
 Range:..... 0 % bis 100 % r.H. (relative humidity), non condensing
 Accuracy:..... < ± 2 % r.H., at 0 to 90 % r.H., otherwise < 3 % r.H.
 Resolution:..... 0.1 % r.H.

Barometric Pressure:
 Range:..... ± 120.44 inWC bis 441.61 inWC
 Accuracy:..... < ± 0.60 inWC
 Resolution:..... 0.04 inWC

Batteries:..... 4 AA rechargeable batteries or 4 AA disposable batteries

Interfaces:..... USB interface for data transfer to a PC. It is possible to transfer the data directly from the meter to the Wohler TD 100 Thermal Printer.

Operating temperature:..... 41...104 °F
Dimensions:..... 3.2" x 9" x 2.4"

Wohler DC 410^{FLOW} US-Version Standard Version

- Wohler DC 410^{FLOW} Pressure Differential & Flowmeter
- rechargeable batteries
- charger
- 2 capillary hoses
- plastic case

➔ Accessories on page 43

Part no. 9286



Accessories Part no.

| | | |
|--|--|-------------|
| | S-Tube Probe for Wohler DC 4xx for measuring the flow speed, including: temperature probe | 9244 |
| | Pitot tube for Wohler DC 410 and Wohler DC 2000 ^{PRO} length 14", 0.3" diameter | 9487 |
| | length 20", 0.3" diameter | 9488 |
| | length 39", 0.3" diameter | 9489 |

Accessories Part no.

| | | |
|--|--|-------------|
| | Wohler Flexible Capillary 3 m Wohler A 400, A 600, DC 100PRO, DC 410 for differential pressure measurement between adjoining rooms. 1 x capillary hose 3 m, connector, silicone hose | 4515 |
| | Wohler TD 100 Thermal Fast Printer Infrared printer with 1 roll thermal paper and four batteries | 4160 |
| | Thermal Paper 57 mm width, 10 rolls for thermal printer Wohler TD 100 and TD 600 | 4145 |

Accessories Part no.

| | | |
|--|--|-------------|
| | Surface Temperature Probe for Wohler DT 310 / A 400 / DC 410 ^{Flow} with clamp, range up to 212 °F, clamp for pipes 0.2" - 1.4" diameter | 6679 |
| | Special Wall Temperature Probe Type W-02 for Wohler A 400 or Wohler DT 310 | 4651 |
| | Special Wall Temperature Probe Type W-02 angulate for Wohler DT 310 / A 400 / DC 410 ^{Flow} | 4718 |
| | Surface temperature probe TF1 for Wohler A 500 / DT 310 / DC 410 ^{Flow} Thermoelement type K, up to max. 392 °F | 6625 |
| | Surface temp. probe TF2 for Wohler A 500 / DT 310 / DC 410 ^{Flow} Thermoelement type K, up to max. 932 °F | 6626 |
| | Surface temp. probe TF3 angulate for Wohler A 500 / DT 310 / DC 410 ^{Flow} Thermoelement Typ K, up to max. 932 °F | 6628 |
| | Penetration temp. probe TF4 for Wohler A500 / DT 310 / DC 410 ^{Flow} Thermoelement type K, up to max. 1,112°F | 6629 |
| | Flue gas temp. probe TF5 for Wohler A 500 / DT 310 / DC 410 ^{Flow} Thermoelement type K, up to max. 1,652°F | 6635 |

Wohler GS 220 Gas Sniffer



TECHNICAL DATA

| | |
|-------------------|--|
| Sensitivity: | 40 ppm |
| Sensor: | Semiconductor |
| Indicators: | acoustic signal and optically by stage-LED |
| Flex holder: | 18" |
| Warm up time: | max. 50 sec. |
| Refresh time: | 2 sec. |
| Work temperature: | 23...113 °F |
| Supply: | 4 AA batteries, 1.5 V |
| Size: | 6.6" x 2.5" x 1.4" |
| Weight: | 1.5 lbs |

APPLICATION

- Leakage detection at gas lines
- Examination of heating systems and exhaust ways on combustible gases

ADVANTAGES:

- Calibrated for methane (CH₄) and liquid petrol gas (LPG) (2 indicator scales)
- Optical and acoustical output
- 16" flexible goose neck for easy access of hard to reach spots
- Highly sensitive and fast response

Wohler GS 220 Gas Sniffer

Wohler GS 220 Gas Sniffer

7.3" gooseneck

batteries

plastic case

Part no. 6606



Wohler CM 220 CO-Meter



APPLICATION:

- Test CO leakage from furnaces, water heaters, stoves
- Measurement of CO concentration in the ambient air
- MWC-Value-Measurement (Maximum Workplace Concentration)

ADVANTAGES:

- Quick response for testing safe entry conditions
- Easy operation-one button, manual zero
- Visual and acoustic indicators
- Backlight
- Precise electrochemical sensor
- Calculation of the MWC-value (Maximum Workplace Concentration)

TECHNICAL DATA

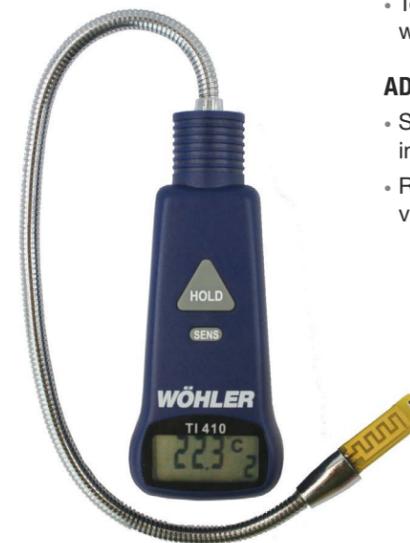
| | |
|------------------|---|
| Range: | 0...999 ppm |
| Accuracy: | ±20 % at 0...99 ppm ±15 % at 100 - 500 ppm |
| Resolution: | 1 ppm |
| Supply: | 3 AAA batteries |
| Response time: | up to 60 sec. |
| Humidity range: | 5 - 99 % r.H. (non-condensing) |
| Storage temp.: | -40...158 °F |
| Operating temp.: | 14...140 °F |
| Size: | 6.9" x 1.9" x 1.1" |
| Weight: | 0.5 lbs |

Wohler CM 220 CO-Detector

Wohler CM 220 CO-Detector

Part no. 6613

Wohler TI 410 Dew Point Indicator



APPLICATION:

- Testing for backdraft conditions between the chimney and the boiler room.

ADVANTAGES:

- Small sensor plate for inaccessible locations
- Reliable result through 3 indicators: visual, audible and temperature raise

TECHNICAL DATA

| | |
|---------------------|-------------------|
| Temperature: | |
| Range: | -40...212 °F |
| Resolution: | 0.1 °F |
| Accuracy: | 0.1 °F |
| Size: | |
| Housing: | 4.8" x 2.4" x 1" |
| Flexarm: | 12" |
| Sensor plate: | 0.4" x 1.2" |
| Weight: | 1 lbs |
| Supply: | 9 V block battery |

Wohler TI 410 Dew Point Indicator with 17" flex arm

Wohler TI 410 Dew Point Indicator

Part no. 6808



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- 51 Wohler IR Temp 210 Infrared Thermometer
- 51 Wohler IR Hygrotemp 24
- 52 Wohler TA 420 Thermoanemometer
- 53 Wohler RF 220 Hygrotemp
- 54 Wohler CDL 210 CO₂-Datalogger
- 55 Wohler KM 410 Indoor Air Quality Meter

56 AIR SPEED MEASUREMENT

- 56 Wohler FA 410 Fan Anemometer **NEW**
- 57 Wohler FA 430 Fan Anemometer **NEW**

PRODUCT OVERVIEW IAQ / BUILDING



Wöhler DT 310
Differential Temperature
Meter

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Wöhler IR Temp 210
Infrared Thermometer

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Wöhler IR Hygrotemp 24

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Wöhler TA 420
Thermoanemometer

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Wöhler RF 220
Hygrotemp

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Wöhler CDL 210
CO₂-Datalogger

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Wöhler KM 410
Indoor Air Quality Meter

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Wöhler FA 410 NEW
Fan Anemometer

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Wöhler FA 430 NEW
Fan Anemometer

page 57

| APPLICATION | DT 310 | IR Temp 210 | IR Hygrotemp 24 | TA 420 | RF 220 | CDL 210 | KM 410 | FA 410 | FA 430 |
|---|--------|-------------|-----------------|--------|-------------|----------|----------|--------|----------|
| Air velocity / flow rate in ductwork | | | | • | | | | • | • |
| Differential temperature measurement, e.g. flow/return | • | | • | | | | | | |
| Evaluation of the efficiency of an air ventilation system | | | | | | • | • | • | • |
| CO-impact in rooms, workplaces & garages | | | | | | | • | | |
| Air humidity measurement in rooms & air ducts | | | • (room) | | • | • (room) | • (room) | | • (room) |
| Surface temperature measurement | • | • | • | | | | | | |
| Building material moisture measurement | | | • | | | | | | |
| Mold potential | | | • | | | | | | |
| MEASURED VARIABLES / INSTRUMENT TECHNOLOGY | | | | | | | | | |
| Air velocity | | | | • | | | | • | • |
| Flowrate | | | | • | | | | • | • |
| Temperature | • | • | • | • | • | • | • | • | • |
| Air humidity | | | • | • | • | • | • | • | • |
| Dew Point/Wet bulb temperature | | | • | | | | • | | • |
| CO ₂ | | | | | | • | • | | • |
| CO | | | | | | | • | | |
| Data-interface printer, PC | | | • (PC) | | • (printer) | • (PC) | • (PC) | | |
| Datalogger | | | | | | • | • | | |
| PC-Software | | | • | | | • | • | | |

Wohler DT 310 Differential Temperature Meter



APPLICATION

- Simple measurement of differential temperature
- Temperature measurement of flow and return surface temperature of water and flue lines

ADVANTAGES

- Display of differential temperature (two probes required)
- Simultaneous display of both temperature readings
- Optional temperature probes, classes K, J, T
- Run / Hold Function
- Back light
- MIN and MAX memory with date and time stamp



TECHNICAL DATA

| | | |
|-----------------------|------------------------------|----------|
| Resolution | | |
| K | -200...1,200 °F | 0.1 °F |
| | 1,200...2,500 °F | 1 °F |
| J | -200...930 °F | 0.1 °F |
| | 930...1,400 °F | 1 °F |
| T | complete range | 0.1 °F |
| Accuracy | | |
| K | -200...2,500 °F ± 0.3 % f.m. | + 0.7 °F |
| J | -200...1,400 °F ± 0.3 % f.m. | + 0.7 °F |
| T | -200...734 °F ± 0.3 % f.m. | + 0.7 °F |
| Supply | 1 x 9 V Block battery | |
| Humidity | 0...85 % RH (not condensing) | |
| Operating temperature | 32...122 °F | |
| Size | 7" x 3" x 1" (LxWxT) | |

Wohler DT 310 Differential Thermometer

Wohler DT 310 Differential Thermometer

2 surface probes (type K)

battery

plastic carrying case

Part no. 6622

Temperature Probes

| | Part no. |
|--|-------------|
| Special Wall Temperature Probe Type W-02 for Wohler A 400 or Wohler DT 310 | 4651 |
| Surface temperature probe TF1 for Wohler A 500 / DT 310 Thermoelement type K, up to max. 392 °F | 6625 |
| Surface temp. probe TF2 for Wohler A 500 / DT 310 Thermoelement type K, up to max. 932 °F | 6626 |
| Surface temp. probe TF3 angulate for Wohler A 500 / DT 310 Thermoelement Typ K, up to max. 932 °F | 6628 |
| Penetration temp. probe TF4 for Wohler A500 / DT 310 Thermoelement type K, up to max. 1,112 °F | 6629 |
| Flue gas temp. probe TF5 for Wohler A 500 / DT 310 Thermoelement type K, up to max. 1,652 °F | 6635 |
| Surface Temperature Probe for Wohler DT 310 / A 400 / DC 410 ^{Flow} with clamp, range up to 212 °F, clamp for pipes 0.2" - 1.4" diameter | 6679 |

Wohler IR Temp 210 Infrared Thermometer



APPLICATION

Non-contact temperature measurement of surfaces

ADVANTAGES

- Detection of heat sinks
- Measurement focus ratio Ø 10:1
- Laser-pointer
- Back light
- Adjustable emission factor
- Quick response time

TECHNICAL DATA

| | |
|-----------------|---------------------------|
| Range | -40...+932 °F |
| Accuracy | ±2 % o.r., absolute ±4 °F |
| Resolution | 0.1 °F |
| Reaction time | 500 msec. |
| Display | LCD, 3 figure |
| Emission factor | 0.30 - 0.99 adjustable |
| Supply | 9 V battery |
| Size | 7" x 3" x 2" |

Wohler IR Temp 210 Infrared Thermometer

Wohler IR Temp 210 Infrared Thermometer

battery

hand loop

Part no. 6612

Wohler IR Hygrotemp 24



APPLICATION

- Non-contact surface temperature measurement
- Measurement of air temperature and relative humidity
- Dew point and wet bulb calculation

ADVANTAGES

- One instrument for evaluation of the room climate
- Determination of air temperature, humidity and wall temperature via infrared measuring
- IR temperature measurement ratio 8:1
- Adjustable emissivity factor 0.30...0.99
- Calculation of dew point temperature, temperature difference, wet bulb temperature and dew point distance temperature

TECHNICAL DATA

| | |
|----------------------------|--|
| Temperature range | 4...140 °F |
| Accuracy | ± 1 °F |
| Resolution | 0.1 °F |
| Infrared Temperature range | -40...932 °F |
| Accuracy | ± 2 % o.r., absolute ± 4 °F between -4...842 °F; ±3% or ± 3 °C f.m. |
| Resolution | 0.1 °F |
| Response time | 500 msec. |
| Ratio | 8:1 |
| Humidity range | 0 to 100% (not condensing), ± 3 % at 10...90 %, rest ± 5 % |
| Resolution | 0.1 % |
| Wet bulb temperature | -8 to 122 °F |
| Emission factor | 0.30...0.99 adjustable |
| Display | 3 line LCD |
| Current supply | 4 x 1.5 V AAA battery |
| Size | 7" x 2" x 3" |
| Weight | 0.6 lbs (without case) |

Wohler IR Hygrotemp 24

Wohler IR Hygrotemp 24

batteries

plastic case

Part no. 6603

Wohler TA 420 Thermoanemometer



APPLICATION

- Measurement of airspeed, flow and temperature

ADVANTAGES

- 2 simultaneous values
- Telescopic probe
- Auto-off function



TECHNICAL DATA

| | |
|------------------------|-------------------------------------|
| Flow velocity | |
| Range | 0.2 – 20.0 m/sec 0.7 – 72.0 km/h |
| Resolution | 0.1 m/sec 0.1 km/h |
| Accuracy | ± 5 % |
| Flow rate | |
| Range | 0 – 1,271,329.2 cfm |
| Resolution | 0.035 – 35.31 cfm |
| Accuracy | 0.00 – 30.0 m ² |
| Air temperature | |
| Range | 0 – 122 °C 32 °F – 122 °F |
| Resolution | 0.1 °C 0.1 °F |
| Accuracy | ± 33.44 °C ± 1.5 °F |
| Size | 8" x 3" x 1.5" |
| Weight | 1.14 lbs |
| Current supply | 4 x AA batteries |



Wohler TA 420 Thermoanemometer

Wohler TA 420 Thermoanemometer
telescope tube
4 batteries
1,5 V Typ AA
plastic case

Part no. 4605

Air Flow Funnels

Part no.



Air Flow Funnel K120
for Wohler A 600 / TA 420
range 29.43 - 706.32 cfm
size 1.5 x 1.5 x 2 ft

53789



Air Flow Funnel K35
for Wohler A 600 / TA 420
range 5.886 - 235.44 cfm
size 0.7 x 0.7 x 1 ft

53794



Air Flow Funnel K 75
for Wohler A 600 / TA 420
range 17.658 - 441.45 cfm
size 1 x 1 x 1.2 ft

53793



Air Flow Funnel K 150
for Wohler A 600 / TA 420
range 29.43 - 1,177.2 cfm
size 1.8 x 0.3 x 2 ft

53788

Wohler RF 220 Hygrotemp



APPLICATION

- Quick test of relative humidity within buildings and offices
- Air conditioning test
- Building inspection for mold and other humidity related problems
- The dew point and wet bulb temperature are calculated online from the current air humidity and temperature

ADVANTAGES

- Remote probe
- Hold function
- Min/max/average memory
- Backlight

TECHNICAL DATA

| | |
|-----------------------|--|
| Range | |
| Rel. Humidity | 0...99 % r.H. |
| Temperature | 14...140 °F |
| Dew point | -100...140 °F |
| Wet bulb temp. | 8...140 °F |
| Accuracy | |
| Rel. Humidity | ± 3 % r.H. (10 - 90 %) otherwise ± 5 % r.H. |
| Temperature | ± 1 °F |
| Storage temperature | 0...+140 °F |
| Operating temperature | 32...112 °F |
| Weight | 0.6 lbs |

Wohler RF 220 Hygrotemp

Wohler RF 220 with probe
4 x AAA batteries
plastic carrying case

Part no. 6615

Accessories

Part no.



Calibration Set
for Wohler RF 220 / KM 410
33% and 75 % humidity reference
not for IR Hygrotemp 24!

6605



Relative Humidity Remote Probe
Wohler RF 220

6624

Wohler CDL 210 CO₂-Datalogger

**DATA
LOGGER**
CO₂, HUMIDITY,
TEMPERATURE



TECHNICAL DATA

CO₂-Measurement
Range: 0 - 2,000 ppm
Resolution: 1 ppm
Accuracy: ± 50 ppm ± 5 %

°F-Measurement
Range: 14...140 °F
Resolution: 0.1 °F
Accuracy: ± 0.9 °F

Measurement of air humidity
Range: 5 - 95 % r.H.
Resolution: 0.1 % r.H.
Accuracy: 77 °F and 10-90 %
± 3 % r.H.
otherwise: ± 5 % r.H.

List of measurement readings
5,300 readings

Logrates
3/10/30 Sec.
1/3/10/30 min.
1/3/4 h.

APPLICATION

- Determination of the indoor air quality through combination of measurement and identification of:
 - The CO₂-concentration
 - The air temperature
 - The air humidity
- For CO₂-monitoring of:
 - Housing spaces (comfortableness, humidity problems, etc.)
 - Conference rooms and lounges (e.g. schools)

ADVANTAGES

- Comfort level indicator with adjustable alarm values
- Acoustical and visual alarm function with adjustable limit
- Large display to show CO₂, humidity, temperature, date/time
- Max/Min-values
- Infrared-CO₂-measurement
- Automatic calibration function
- Non-volatile memory

Wohler CDL 210 CO₂-Datalogger CO₂, humidity and temperature

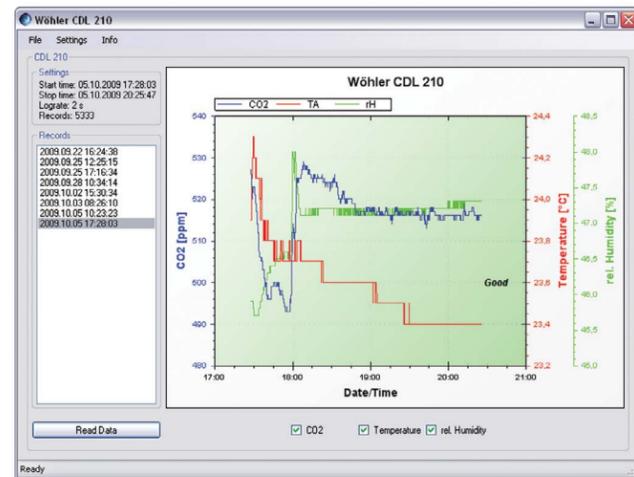
Wohler CDL 210 CO₂ Datalogger

power supply

data cable

PC software

Part no. 6648



Wohler KM 410 Indoor Air Quality Meter

**HIGH
ACCURACY**

**DATA
LOGGER**
CO₂, CO, HUMIDITY,
TEMPERATURE



APPLICATION

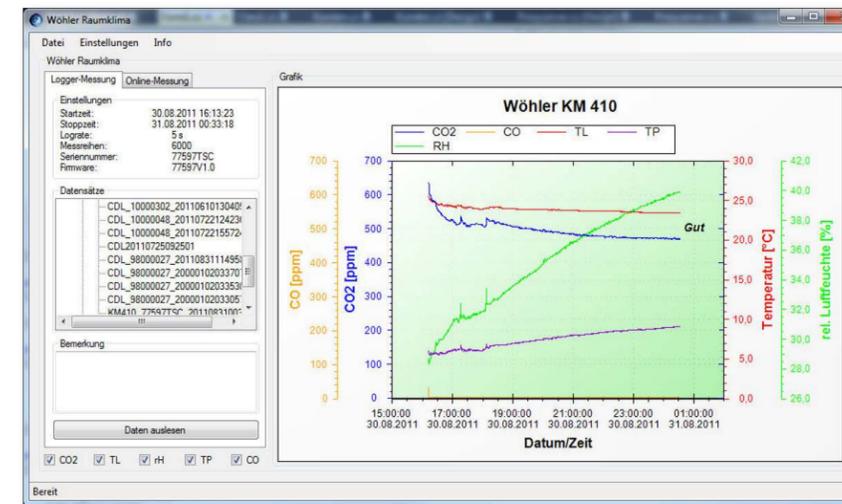
The Wohler KM 410 Indoor Air Quality Meter is the perfect instrument for verifying HVAC system performance and air ventilation control.

It measures:

- CO₂-content
- Air temperature
- Air humidity
- CO-content
- Dew point
- Wet bulb temperature

ADVANTAGES

- Big LC display with blue backlight to use in dark area
- Acoustical and visual alarm function
- Max/Min-values
- Hold function freezes current readings
- Mini USB output to PC for analysis
- Data logger



TECHNICAL DATA

CO₂-Measurement (NDIR-Sensor)
Range: 0 - 5,000 ppm
Resolution: 1 ppm
Accuracy: ± 30 ppm ± 5 %
Warming phase: 30 sec
Response time: <30 sec

CO-Measurement
Range: 0 - 1,000 ppm
Resolution: 1 ppm
Accuracy: ± 10 ppm or less than 100 ppm
± 10 % between 101-500 ppm
± 20 % more than 501 ppm
Response time: <60 sec.

Temperature
Range: -5 °F...140 °F
Resolution: 0.1 % r.H.
Accuracy: ± 0.9 °F

Relative air humidity
Range: 0.1...99.9 % r.H.
Resolution: 0,1 % r.H.
Accuracy: ± 3 % at 10 to 90 % r.H. and 77 °F,
± 5 % r.H. at other readings and 77 °F
Response time: <10 sec

Operating temp. 32 °F... 112 °F

Storage temp. 23 °F... 140 °F,
10-90 % r.H.
non-condensing

Current supply 4 AA-batteries or mains operation via a 9 V-DC-adaptor (not included in delivery)

PC USB-interface

Memory 6,000 records

Logrates 1s...4h49m59s

Size 8.2" x 2.8" x 2.2"

Weight 0.5 lbs

Wohler KM 410 IAQ Instrument CO₂, CO, humidity and temperature

Wohler KM 410 IAQ Instrument

4 AA-batteries

USB data cable

PC software

manual

plastic case

Part no. 4280

Wohler FA 410 Fan Anemometer **NEW**



TECHNICAL DATA

| | |
|---|--|
| Range | |
| Flow velocity | 39.3...5,906 fpm |
| Volume flow | 0 – 58.000 cfm |
| Temperature | -4...140 °F |
| Resolution | |
| Flow velocity | 20 fpm |
| Volume flow | 0...99,999 cfm |
| Temperature | 0.1 °F |
| Accuracy | |
| Flow velocity | ± (1.5 % of reading + 0.3 m/s) for under 20 m/sec, ± (3 % of reading + 0.3 m/sec) for above 20 m/sec |
| Temperature | ± 33.08 °F |
| Operating conditions (to avoid condensation) | |
| | 32 – 122 °F, < 90 % RH |
| Storage conditions | |
| | 14 – 122 °F, < 90 % RH |
| Power supply | |
| | 4 micro batteries AAA |
| Dimensions | |
| | 10.6" x 4.2" x 2" |
| Fan diameter | |
| | 4" |
| Weight (without funnel) | |
| | 0.6 lbs |

APPLICATION

- Measurement of air speed, temperature and humidity at the air vents
- Detection of air leaks
- Integrated measurement of volume flow
- Direct measurement of volume flow at air vents in combination with the cone

ADVANTAGES

- Easy handling with automatic identification of the cone
- Measurement report via IR-transfer to the Wohler TD 100 Thermal Fast Printer
- Hold-Function
- Selectable units: m/sec, fpm, m³/h, CFM, °C, °F, cm², Inch²
- Wohler Telescope Handle e.g. for ceiling vents
- Parallel measurement of volume flow, air velocity and air temperature
- Backlight LC display

Wohler FA 410 Fan Anemometer Set with Wohler FA 4xx Measuring Funnel Set

Wohler FA 410 Fan Anemometer

4 x AAA batteries

plastic case

Wohler FA 4xx measuring Funnel Set with rectangular and round measuring funnel in a handy carrying bag; funnels can be clipped onto the fan anemometer

rectangular funnel: 1 x 1 ft

round funnel: 0.7 ft diameter

Part no. 4155

Wohler FA 410 Fan Anemometer

Wohler FA 410 Fan Anemometer

4 x AAA batteries

plastic carrying case

Part no. 4146

Wohler FA 430 Fan Anemometer **NEW**



APPLICATION

- Measurement of air velocity, temperature, humidity, CO₂ at the air vents
- Integrated measurement of flow rate
- Direct measurement of flow rate at the air nozzle in combination with a funnel
- Determination of the inlet and exhaust air quality

ADVANTAGES

- Two measurements in one step: determination of flow rate and evaluation of the inlet and exhaust air quality via CO₂, T, RH
- Easy handling with automatic identification of the cone
- Measurement report via IR-transfer to the Wohler TD 100 Thermal Fast Printer
- Wohler Telescope Handle e.g. for ceiling vents
- Selectable units: m/sec, fpm, m³/h, CFM, °C, °F, cm², Inch², ppm, %, RH, WBT, DP
- Determination of the dew point and wet bulb temperature
- Hold-Function
- Min-/Max-Function
- Backlight LC display
- Simultaneous measurement of wet bulb temperature and dew point



TECHNICAL DATA

| | |
|---|--|
| Range | |
| Flow velocity | 39.3 – 5,906 fpm |
| Volume flow | 0 – 58.000 cfm |
| Temperature | -4 °F – 140 °F |
| Relative humidity | 0.1% – 99.9% |
| Dew point | -4 °F – 139.82 °F |
| Wet-bulb temperature | -4 °F – 139.82 °F |
| CO ₂ | 0 – 9,999 ppm |
| Resolution | |
| Flow velocity | 20 fpm |
| Volume flow | 0.1 99,999 cfm |
| Temperature | 0.1 °F |
| Relative humidity (RH) | 0.1 % |
| Dew point | 0.1°F |
| Wet-bulb temperature | 0.1°F |
| CO ₂ | 1 ppm |
| Accuracy | |
| Flow velocity | ±(1.5 % of reading + 0.3 m/s) for under 20 m/s, ±(3 % of reading + 0.3 m/s) for above 20 m/s |
| Temperature | 33.08 °F |
| Relative humidity | ± 3 % (at 77 °F), otherwise ± 5 % |
| CO ₂ | ± 30 ppm ± 5 % of reading (0 – 5,000 ppm) |
| CO₂ warm-up time | |
| | 30 seconds |
| Operating conditions (to avoid condensation) | |
| | 32 – 122 °F, < 80 % RH |
| Storage conditions | |
| | 14 °F – 122 °F, < 90 % RH |
| Power Supply | |
| | 4 micro batteries AAA |
| Dimensions | |
| | 10.6" x 4.2" x 2" |
| Fan diameter | |
| | 4" |
| Weight (without funnel) | |
| | 0.6 lbs |

Wohler FA 430 Fan Anemometer Set with Wohler FA 4xx Measuring Funnel Set

Wohler FA 430 Fan Anemometer

4 x AAA batteries

plastic case

Wohler FA 4xx Measuring Funnel Set with rectangular and round measuring funnel in a handy carrying bag; funnels can be clipped onto the fan anemometer

rectangular funnel: 1 x 1 ft

round funnel: 0.7 ft diameter

Part no. 4156

Wohler FA 430 Fan Anemometer incl. CO₂-Measurement

Wohler FA 430 Fan Anemometer

4 x AAA batteries

plastic carrying case

Part no. 4147



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PRODUCT OVERVIEW VISUAL INSPECTION



Wohler VIS 250
Visual Inspection System

page 62-67



Wohler VIS 350
Visual Inspection System

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Wohler VIS 400
Modular
Visual Inspection System

page 74-84



**Miniature Color
Camera Head**

1" dia
page 79



**Pan & Tilt Color
Camera Head**

1 1/2" dia
page 79



**Pan & Tilt
Color Camera Head**

2" dia
page 79



Wohler Camera Viper
with push rod

page 80



Wohler Cable Reel
with soft video cable

page 80

| APPLICATIONS | | | | | | | | |
|--|---------------------|--|---------------------------------------|-------------------------------------|---------------------------|---------------------------|--------------------------|--------------|
| Dry environments – e.g. Flue Gas Systems.: | 5" dia or larger | | • (1) | • | | • (1) | • | • (1) |
| | 4" dia to 5" dia | • | • | • | • | • | • | • (1) |
| | 3" dia to 4" dia | • | • | • | • | • | • (2) | • (1) |
| | 1.5" dia to 3" dia | • | | • | • | | | • (1) |
| Wet environments – e.g. Waste Water Pipes: | 5" dia or larger | | • (4) | • | | • (4) | • (3) | • |
| | 3" dia to 5" dia | • (4,5) | • (4) | • | | • (4) | • (2, 3) | • |
| | 1.5" dia to 3" dia | • (4,5) | | • | • (4, 5) | | | |
| Twin walls, cavaties, ducts | | | • | • | | • | • | |
| FEATURES | | | | | | | | |
| Video Memory | | 2 GB SD-Card (VIS 250) | 2 GB SD-Card (VIS 350) | 2 GB SD-Card | | | | |
| DM = Digital Meter Counter (Increments of 0.10 ft) | | DM | DM | DM with Camera Viper or Cable Reel | | | DM | DM |
| Video Output | | RCA | RCA | RCA | | | | |
| Built-in sonde for location (8.9 kHz) | | with Wohler L 200 Locator | with Wohler L 200 Locator | | with Wohler L 200 Locator | with Wohler L 200 Locator | | |
| Audio recording | | | | • | | | | |
| TECHNICAL DATA | | | | | | | | |
| Monitor: | Display | 7" TFT | 7" TFT | 7" TFT | | | | |
| Battery Voltage & Technology / Main Supply | | 1 x 12 V NiMH battery (Space to store 2 rechargeable NiMH batteries) / Main Supply | 2 x 12 V NiMH batteries / Main Supply | 1 x 12 V NiMH battery / Main Supply | | | | |
| Operation Time with batteries | | 1 x 120 min = approx. 2 h | 2 x 120 min = approx. 4 h | approx. 2 h | | | | |
| Camera Head: | Dimensions | 1" x 1.5" | Ø 1.5" x 2.4" | | 1" x 1.5" | 1.5" x 2.4" | 2" x 4" | |
| | Pan- and tilt range | | 360° / 180° | | | 360° / 180° | 360° / 180° | |
| | Protection class | IP 68 (6) | IP 67 | | IP 68 (6) | IP 67 | IP 64 | |
| | Field of View (FOV) | 120° | 120° | | 120° | 120° | 98° x 75° | |
| | Lighting | 12 x LED white | 12 x LED white | | 12 x LED white | 12 x LED white | 4 x bulbs, 6 x LED white | |
| Cable/ Push Rod: | Length/Diameter | 100 ft, 0.25" dia | 100 ft, 0.25" dia | | | | 100 ft, 0.27" | 100 ft, 0.2" |
| Total Dimensions | | 20" x 17" x 7" | 20" x 17" x 7" | 8" x 8" x 1.6" (without bag) | 1" x 1.5" | 1.5" x 2.4" | 2" x 4" | 16" x 4" |
| Weight | | 18 lbs | 18 lbs | 2.6 lbs (without bag) | 0.13 lbs | 0.25 lbs | 0.53 lbs | 7 to 8 lbs |

(1) top down and bottom top inspection (2) limited use in bends (3) with roller proof only (4) recommended for wet applications; (5) waterproof up to 6.5 ft of water

VISUAL INSPECTION

MEASURING INSTRUMENTS
FLUE GAS ANALYSIS

MEASURING INSTRUMENTS
LEAKAGE AND PRESSURE

MEASURING INSTRUMENTS
IAC/BUILDING

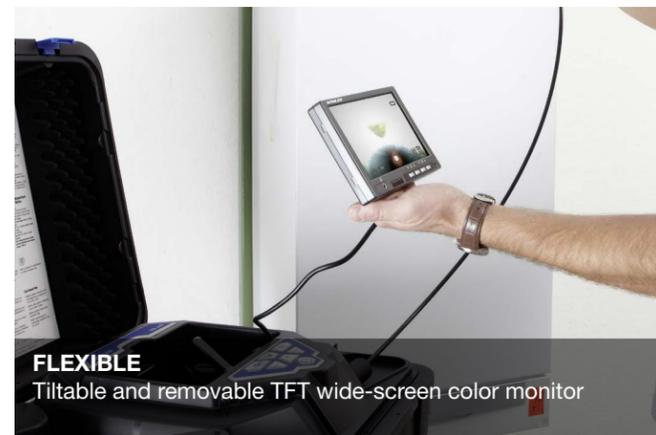
VISUAL INSPECTION

SWEEP INSTRUMENTS

CLEAR VIEW, WHEN SPACE IS TIGHT NEW

Wohler VIS 200/250 – Visual inspection, distance measurement and built-in sonde

Wohler's innovative VIS 200/250 Visual Inspection System enables you to easily view damage in pipes of 1 1/2" dia and larger – no power outlet required. Compact by design and powered by a rechargeable battery, this complete camera-system is contained in a robust plastic case. The camera head features a powerful, integrated light to allow you to clearly view damage in waste water pipes (at least 1 1/2" dia) and inspect downpipes as well as flue gas lines. Absolutely essential for locating obstructions or damage quickly!



FLEXIBLE
Tiltable and removable TFT wide-screen color monitor



WATERPROOF AND ROBUST
The camera head easily negotiates 87°-bends in pipes of 1 1/2" dia and larger



ROBUST HOUSING



1" diameter
MINIATURE COLOR CAMERAHEAD



87°



VIDEO FUNCTION



PHOTO FUNCTION



INTEGRATED LOCATOR TRANSMITTER



POWERFUL RECHARGEABLE BATTERY UP TO 4h MOBILITY

WIDE RANGE OF APPLICATIONS

Locate damage and inspect:

- Waste water pipes of 1 1/2" dia and larger
- Ventilation lines of 1 1/2" dia and larger
- Inspect hollow spaces, e.g. in front-wall installations
- Flue gas lines up to approx. 6" dia

FUNCTIONALITY

- Waterproof, light-sensitive camera head with a diameter of just 1" easily takes bends in stride
- Store video footage on a 2 GB SD card (Wohler VIS 250)
- Digital Indication of the camera head angle (Wohler VIS 250)
- Electronic distance measurement displayed on monitor
- Fully equipped mobile solution in a robust, plastic case
- Does not require main power supply
- Bright TFT color monitor for razor-sharp images
- Tiltable and removable monitor with 6' cable
- Integrated video output for documentation purposes
- Battery operating time: 120 min. (second rechargeable battery optional)
- Transmitter (8.9 kHz) integrated into camera head for locating
- Data exchange via mini USB cable (Wohler VIS 250)

LOCATOR (OPTIONAL)

- Transmitter integrated in camera head makes it possible to precisely locate the camera head
- Facilitates targeted repairs to damaged pipelines
- Telescopic holder makes it possible to locate damage under floors or in ceilings
- Chalk holder with lithographic chalk makes it easy to mark located damage immediately
- Powerful rechargeable battery

DOCUMENTATION

Simply record and store photos and videos on a 2 GB SD card (Wohler VIS 250) for documentation and archiving purposes for you and your customers



TECHNICAL DATA

Monitor

Dimensions housing.....7" x 4.5" x 1.3"
TFT-display7" / 16:9 format
Video outFBAS signal
Weight1 lbs

Power Supply

Power supply.....Space for 2 rechargeable batteries, each 12 V or via power pack
Battery operating time.....Max. 2 rechargeable batteries, each 120 mins. = 4 h (battery status in display)

Miniature color camera head, 1" diameter

Type1/3" COLOR CMOS
Resolution420 lines
Pixels768 x 576 (PAL), 656 x 492 (NTSC)
Light sensitivity.....0.5 Lux
Lensf = 0.09", F = 2.5
Viewing angle.....115°
Light source12 white LEDs
Degree of protectionWaterproof to IP 68
Dimensions1" dia x 1.5" long
Weight0.5 lbs
Operation temperature.....32...104 °F, RH 95 % MAX
Storage temperature.....-4...122 °F, RH 95 % MAX
Transmitter frequency8.9 kHz

Push rod

Length100 ft.
Diameter0.24"
Distance measurementdigital distance meter

Plastic case

Dimensions20" x 17" x 7" (l x w x h)
Weight15 lbs

Locator receiver

Display.....Graphic visualization of transmitted position

Output impedance

Headphones.....32 Ohm
Power supply.....12 V NiMH battery (rechargeable)
Operating temperature.....32...104 °F
Storage temperature.....14...104 °F
Weight1.3 lbs
Dimensions13" x 6" x 3" (l x w x h)

Memory (Wohler VIS 250)

Recording2 GB SD card (2.5 h recording capacity)
InterfaceMini USB port

PRODUCT FEATURES

| | Flues, ventilation lines, waste water pipes | |
|-----------------------------|---|-----|
| Wohler VIS | 200 | 250 |
| Features | | |
| Color camera head 1" dia | • | • |
| Digital distance counter | • | • |
| Photo and video record | | • |
| Menu | | • |
| Video settings | | • |
| Transmitter / Sonde | • | • |
| Angle and gravity indicator | | • |

Wohler VIS 200 Visual Inspection System **NEW**



- 1" diameter
MINIATURE
COLOR
CAMERAHEAD
- 87°
✓
- INTEGRATED
LOCATOR
TRANSMITTER
- POWERFUL
RECHARGEABLE BATTERY
UP TO 4h MOBILITY



!
The color camera head 1" diameter can be located with the Wohler L 200 Locator—more information see page 85

Wohler VIS 200 Visual Inspection System 100 ft NTSC Set

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 200 NTSC Visual Inspection System with digital meter counter

miniature color camera head 1" dia, V2 NTSC

7" TFT color monitor

6 ft connection cable (removable monitor)

100 ft push rod 0.24" diameter

1 anti-slide mat

1 NiMH batterie with charger

1 guidance sleeve for mini camera head

1 guidance ball for flex part of camera push rod

heavy duty carrying case

→ Accessories on page 66

Part no. 6261

Wohler VIS 200 Visual Inspection System with Wohler L 200 Locator

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 200 NTSC Visual Inspection System with digital meter counter

miniature color camera head 1" dia, V2 NTSC

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft. push rod 0.24" diameter

anti-slide mat

1 NiMH battery with charger

1 guidance sleeve for mini camera head

1 guidance ball for flex part of camera push rod

Wohler L 200 Locator (Receiver)

heavy duty carrying case

→ Accessories on page 66

Part no. 8937

Wohler VIS 250 Visual Inspection System **NEW**



- 1" diameter
MINIATURE
COLOR
CAMERAHEAD
- 87°
✓
- VIDEO
FUNCTION
- PHOTO
FUNCTION
- INTEGRATED
LOCATOR
TRANSMITTER
- POWERFUL
RECHARGEABLE BATTERY
UP TO 4h MOBILITY



!
The color camera head 1" diameter can be located with the Wohler L 200 Locator—more information see page 85

Wohler VIS 250 Visual Inspection System 100 ft NTSC Set

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 250 NTSC Visual Inspection System with digital meter counter

miniature color camera head 1" dia, V2 NTSC

2 GB SD card and mini USB cable

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft. push rod 0.24" diameter

1 anti-slide mat

1 NiMH battery with charger

1 guidance sleeve for mini camera head

1 guidance ball for flex part of camera push rod

heavy duty carrying case

→ Accessories on page 66

Part no. 6253

Wohler VIS 250 Visual Inspection System with Wohler L 200 Locator

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 250 NTSC Visual Inspection System with digital meter counter

miniature color camera head 1" dia, V2 NTSC

2 GB SD card and mini USB cable

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft. push rod 0.24" diameter

anti-slide mat

1 NiMH battery with charger

1 guidance sleeve for mini camera head

1 guidance ball for flex part of camera push rod

Wohler L 200 Locator (Receiver)

heavy duty carrying case

→ Accessories on page 66

Part no. 8932

| VIS Guidance Sets, Glare Protection, Lighting | | Part no. |
|---|---|----------|
|  | Wohler VIS Guidance Set 70 for 1" camera head guidance sleeve with protection cage and centering star | 3883 |
|  | Wohler VIS Centering Star for Wohler VIS 2xx / 3xx 8" diameter with 6 brushes, with thread, centers the GRP camera rod, to guide the camera head | 3854 |
|  | Wohler VIS Centering Brush Extension 8" diameter with inner and outer thread for endless extension | 3853 |
|  | Wohler VIS Centering Brush for Wohler VIS 400 / VIS 2xx / VIS 3xx | 3850 |
|  | Wohler VIS Spare brushes 24 pieces for centering brush | 3858 |
|  | Wohler VIS Stabilization Tube for Wohler VIS 400 / 2xx / 3xx extension for camera guidance system, 1.4" x 3.0" dia POM black | 21736 |
|  | Wohler Guidance Sleeve for 1" camera head | 3827 |
|  | Wohler Guidance Sleeve with protection cage for 1" camera head | 3847 |
|  | Wohler Camera Roller Guide for pan and tiltable camera head 1.5" | 3681 |
|  | Sunshade for Wohler VIS 2xx and VIS 3xx for 7" TFT monitor | 6814 |

| Camera Guidance | | Part no. |
|---|--|----------|
|  | Wohler Guidance Ball for flex part of camera push rod | 3634 |
|  | Relining Adapter for VIS 3xx | 6888 |
|  | Re-lining adapter set consisting of: re-lining adapter, centering star and 3 x stabilization sleeve | 6889 |
| Power Supply | | Part no. |
|  | Power Supply for Wohler VIS 3xx / VIS 2xx 18V, 1.5A, 100-240V, 50 Hz, charge time 3 hours, for all countries | 3789 |
|  | Wohler Battery 12 V NiMH 2600 mAh VIS 2xx / VIS 3xx operation time: 120 min warranty: 12 months | 4715 |
|  | Car Charger Wohler VIS 2xx / 3xx, 18V | 3169 |
| Accessories / Further products | | Part no. |
|  | Wohler L 200 Locator (Receiver) Wohler L 200 Locator Receiver, plastic case, USB power supply with micro USB cable, grease crayon (12 pcs. box, yellow), telescopic rod and headphones | 7430 |
|  | Wohler VIS Cleaning Set NEW 34 oz disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 7 oz lubricant, plastic case; for approx. 50 applications. | 4725 |
|  | Wohler VIS Cleaning Set Refill NEW 34 oz disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 7 oz lubricant, in plastic bag, for approx. 50 applications. | 4726 |

UNIQUELY CLEAR VIEW NEW

Unique pan & tilt camera head, position indicator, home function and sonde with the Wohler VIS 350

Visual inspection in a case: With the new Wohler VIS 350 camera system, you not only have everything you need to inspect waste water pipes, flue gas, ventilation lines and industrial piping – you can also precisely locate the damage and accurately document the results of the inspection.



HOME-FUNCTION

The Home button (Wohler VIS 350) realigns the camera head to its initial position.



BUILT-IN SONDE FOR LOCATING

The camera head is equipped with a transmitter – that means the camera head can easily be located with the new Wohler L 200 Locator.



BRIGHT ILLUMINATION

Thanks to the excellent lighting system of the color camera head, the camera supplies razor sharp images of even the darkest corners of the section under inspection.



WIDE RANGE OF APPLICATIONS

Locate damage and inspect:

- Waste water lines of 2" dia and larger
- House connections up to 8" dia
- Flue gas systems of 2" dia and larger
- Ventilation lines of ventilation systems
- False ceilings, hollow spaces, shafts

FUNCTIONALITY

- Optics pan 360° and tilt 180° providing maximum movement radius and insures even the smallest damage is not hidden from your view
- Store video footage and photos on a 2 GB SD card (Wohler VIS 350)
- Camera head with integrated transmitter facilitates camera head location detection with the Wohler L 200 Locator
- Digital position and angle of the camera head displayed on the monitor
- Home function aligns the camera head to a straight position – display parallel to the ground above
- Brightly illuminating color camera head, 2" in length and 1 1/2" in diameter, easily negotiates tight bends
- Electronic meter counter in increments of 0.10 ft. displayed on the monitor
- Bright TFT color monitor (tiltable and removable) supplies razor sharp images
- Battery operating time: 2 x 120 min. with 2 rechargeable batteries included
- Fully equipped mobile solution in a robust plastic case

LOCATOR (OPTIONAL)

- Transmitter integrated in camera head makes it possible to precisely locate the camera head
- Facilitates targeted repairs to damaged pipelines
- Telescopic holder makes it possible to locate damage under floors or in ceilings
- Chalk holder with lithographic chalk ensures it is possible to mark located damage immediately
- Long-lasting LI-ION rechargeable battery

DOCUMENTATION

Simply record and store photos and videos on a 2 GB SD card (Wohler VIS 350) for documentation and archiving purposes for you and your customers.

TECHNICAL DATA

Monitor

Dimensions housing.....7" x 4.5" x 1.3"
TFT-Display7" / 16:9 format
Video-Out.....FBAS signal
Weight1 lbs

Power Supply

Power supply.....Space for 2 rechargeable batteries, each 12 V or via power supply
Battery operating time.....Max. 2 rechargeable batteries, each 120 mins. = 4 h (battery status in display)

Pan & tilt 1.5" dia color camera head

Type1/3" COLOR CMOS
Pixels.....656 x 492 (NTSC)
Light sensitivity.....0.5 Lux
Lensf = 0.09", F = 2.5
Viewing angle.....115°
Light source12 white LEDs
Degree of protectionWaterproof to IP 67
Dimensions1 1/2" dia x 2"
Operating temperature32...104 °F, RH 95 % MAX
Storage temperature-4...122 °F, RH 95 % MAX

Locator transmitter

Transmission frequency8.9 kHz

Push rod

Length100 ft.
Diameter0.33"

Plastic case

Dimensions20" x 17" x 7" (l x w x h)
Weight18 lbs

Distance measurement

Wohler VIS 350 / VIS 300.....Electronic meter counter

Locator receiver

Display.....Graphic visualization of transmitted position

Output impedance

Headphones32 Ohm
Power supply12 V MIMH battery (rechargeable)
Operating temperature32...104 °F
Storage temperature14 °F...104 °F
Weight1.3 lbs
Dimensions13" x 6" x 3" cm (l x w x h)

Memory (Wohler VIS 350)

Recording2 GB SD card (2.5 h recording capacity)
InterfaceMini USB port

PRODUCT FEATURES

| | Chimneys, vents and waste water pipes | |
|---|---------------------------------------|---------------------|
| Wohler VIS | 350 | 350 ^{PLUS} |
| Features | | |
| Pan and tilt color camera head 1.5" dia | • | • |
| Detachable 1" dia camera head | | • |
| Digital distance measurement | • | • |
| Photo & video record | • | • |
| Menu/Video settings | • | • |
| Transmitter / Sonde | • | • |
| Angle and gravity indicator | • | • |
| Home-function | • | • |

Wohler VIS 350 VISUAL INSPECTION SYSTEM **NEW**



- 1 1/2" DIA PAN & TILT COLOR CAMERA HEAD
- 64° POSITION & ANGLE DISPLAY
- INTEGRATED LOCATOR TRANSMITTER
- VIDEO FUNCTION
- PHOTO FUNCTION
- POWERFUL RECHARGEABLE BATTERY UP TO 4h MOBILITY



! The 1.5" diameter color camera head can be located with the Wohler L 200 Locator—more information see page 85

Wohler VIS 350 Visual Inspection System 100 ft NTSC

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 350 NTSC Visual Inspection System with attached 1.5" color pan & tilt camera head

video and still picture recording function

pan and tilt color camera head 1.5" dia, V2 NTSC

2 GB SD card

mini USB cable

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft. push rod (0.26" dia)

5 plastic domes

1 anti-slide mat

2 NiMH batteries with charger

heavy duty carrying case

→ Accessories on page 72

Part no. 7354

Wohler VIS 350 Visual Inspection System 100 ft push rod & detachable camera head

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 350 NTSC Visual Inspection System with detachable 1.5" color pan & tilt camera head

video and still picture recording function

detachable pan and tilt color camera head 1.5" dia, V2 NTSC

2 GB SD card

mini USB cable

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft. push rod (0.26" dia)

5 plastic domes

1 anti-slide mat

2 NiMH batteries with charger

heavy duty carrying case

→ Accessories on page 72

Part no. 6352

Wohler VIS 350^{PLUS} VISUAL INSPECTION SYSTEM **NEW**



- 1 1/2" DIA PAN & TILT COLOR CAMERA HEAD
- 64° POSITION & ANGLE DISPLAY
- INTEGRATED LOCATOR TRANSMITTER
- VIDEO FUNCTION
- PHOTO FUNCTION
- POWERFUL RECHARGEABLE BATTERY UP TO 4h MOBILITY



! The 1.5" diameter color camera head can be located with the Wohler L 200 Locator—more information see page 85



!

- detachable 1.5" pan & tilt color camera head
- detachable 1" miniature color camera head

Wohler VIS 350^{PLUS} Visual Inspection System with 1.5" color pan & tilt camera head and 1" color camera head

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 350 NTSC Visual Inspection System with two camera heads

video and still picture recording function

detachable pan and tilt color camera head 1.5" dia, V2 NTSC

detachable miniature color camera head 1" dia incl. guidance sleeve

guidance ball for push rod

2 GB SD card and mini USB cable

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft. push rod 0.26" dia

5 plastic domes

1 anti-slide mat

2 NiMH batteries with charger

heavy duty carrying case

→ Accessories on page 72

Part no. 8927

Wohler VIS 350^{PLUS} Visual Inspection System with 1.5" color pan & tilt camera head and 1" color camera head and Wohler L 200 Locator

Visual inspection for sewer and water pipes, drain and flue lines, ductwork, etc.

Wohler VIS 350 NTSC Visual Inspection System with two camera heads and Wohler L 200 locator

video and still picture recording function

detachable pan and tilt color camera head 1.5" dia, V2 NTSC

detachable miniature color camera head 1" dia, incl. guidance sleeve

guidance ball for push rod

2 GB SD card and mini USB cable

7" TFT color monitor

6 ft. connection cable (removable monitor)

100 ft push rod 0.26" dia

5 plastic domes

1 anti-slide mat

2 NiMH batteries with charger

Wohler L 200 Locator

heavy duty carrying case

→ Accessories on page 72

Part no. 8931

VIS Guidance Sets **Part no.**

| | | |
|---|---|--------------|
|  | Wohler Guidance Set 100 for VIS 3xx pan and tilt camera head 1 1/2" dia protection sleeve with cut-out, roller guide and centering star | 4240 |
|  | Wohler Camera Roller Guide for pan and tiltable camera head 1.5" | 3681 |
|  | Wohler VIS Centering Brush for Wohler VIS 400 / VIS 2xx / VIS 3xx | 3850 |
|  | Wohler VIS Centering Star for Wohler VIS 2xx / 3xx 8" diameter with 6 brushes, with thread, centers the GRP camera rod, to guide the camera head | 3854 |
|  | Wohler VIS Centering Brush Extension 8" diameter with inner and outer thread for endless extension | 3853 |
|  | Wohler VIS Spare brushes 24 pieces for centering brush | 3858 |
|  | Wohler VIS Stabilization Tube for Wohler VIS 400 / 2xx / 3xx extension for camera guidance system, 1.4" x 3.0" dia POM black | 21736 |
|  | Wohler Guidance Ball for flex part of camera push rod | 3634 |

Power Supply **Part no.**

| | | |
|---|---|-------------|
|  | Power Supply for Wohler VIS 3xx / VIS 2xx 18V, 1.5A, 100-240V, 50 Hz, charge time 3 hours, for all countries | 3789 |
|  | Wohler Battery 12 V NiMh 2600 mAh VIS 2xx / VIS 3xx operation time: 120 min warranty: 12 months | 4715 |
|  | Car Charger Wohler VIS 2xx / 3xx, 18V | 3169 |

Accessories **Part no.**

| | | |
|--|---|-------------|
|  | Relining Adapter for VIS 3xx | 6888 |
|  | Re-lining adapter set consisting of: re-lining adapter, centering star and 3 stabilization sleeves | 6889 |
|  | Wohler Protection Sleeve with cutout for camera head 1.5" dia | 2641 |
|  | Wohler Protection Sleeve for camera head 1.5" dia | 3682 |
|  | Wohler Glass Dome for pan and tilt camera head 1.5" dia | 3674 |
|  | Wohler Replacement Polycarbonate Dome 10 pcs. for pan and tiltable camera head 1.5" dia | 3675 |
|  | Anti slide mat for VIS 2xx / VIS 3xx | 3252 |
|  | Sunshade for Wohler VIS 2xx and VIS 3xx for 7" TFT monitor | 6814 |

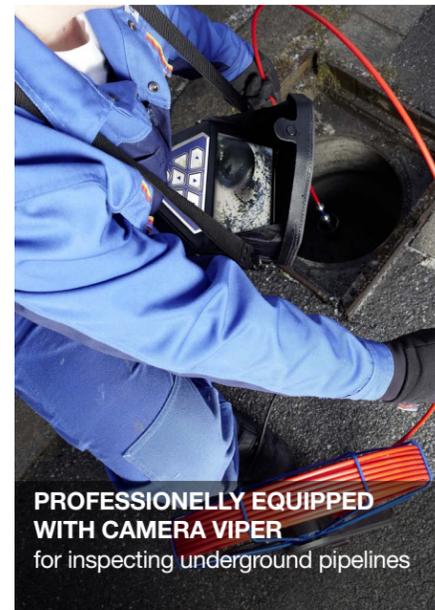
Accessories / Further products **Part no.**

| | | |
|---|--|-------------|
|  | Wohler L 200 Locator (Receiver) Wohler L 200 Locator Receiver, plastic case, USB power supply with micro USB cable, grease crayon (12 pcs. box, yellow), telescopic rod and headphones | 7430 |
|  | Wohler VIS Cleaning Set NEW 34 oz disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 7 oz lubricant, plastic case; for approx. 50 applications. | 4725 |
|  | Wohler VIS Cleaning Set Refill NEW 34 oz disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 7 oz lubricant, plastic bag, for approx. 50 applications. | 4726 |

MODULAR POINT OF VIEW NEW

Wohler VIS 400 Modular Visual Inspection System

The carry strap around your neck and the monitor in front of your chest, one hand guides the camera cable, the other controls the camera head via the familiar Wohler keypad: That is how stable the new Wohler VIS 400 video inspection system is and how easy it is to work with while inspecting chimneys or inspecting house supply lines.



PROFESSIONALLY EQUIPPED WITH CAMERA VIPER
for inspecting underground pipelines



OPTIMUM VIEWING
perfect for bottom-up or top-down chimney inspection



WIDE RANGE OF APPLICATIONS

Analyze damage and visually inspect:

- Flue gas systems, chimneys
- Building drains, house connections
- Ventilation systems

PRODUCT BENEFITS

- Modular system – components are modular by design to support extensive expansion options
- Pan & Tilt color camera heads with integrated power lighting easily negotiate bends in the line
- Voice recording allows you to document each inspection with verbal notes
- Mini USB port for data transfer

DOCUMENTATION

Integrated video output – simply record and store photos, videos and voice annotations on a 2 GB SD card for documentation and archiving purposes for you and your customers.

TECHNICAL DATA

| Monitor | |
|----------------------------------|---|
| TFT display | 7" / 16:9 format |
| Video out | FBAS signal |
| Power supply | 12 V NiMH rechargeable battery, 2,000 mAh |
| Battery operating time | 2 h (battery status in display) |
| Distance measurement | Digital meter counter in conjunction with the camera viper and cable reel |
| Storage | 2 GB SD card (2.5 h recording capacity) |
| Interface | Mini USB port |
| Operating temperature | 32...104 °F |
| Storage temperature | -4...122 °F |
| Dimensions housing without pouch | 8" x 8" x 2" |
| Dimensions housing with pouch | 9" x 9" x 3" |
| Weight | Without pouch 3 lbs; with pouch 4 lbs |
| Connection, stand | Standard |

MODULAR SYSTEM DESIGN

Put your camera system together to suit your requirements and wishes. Select your components from the list below and more:



CABLE REEL WITH SOFT VIDEO CABLE



VIPER REEL WITH A PUSH ROD



2" dia color pan & tilt camera head



1 1/2" dia color pan & tilt camera head



1" dia waterproof color camera head for smaller pipe diameters

CAMERA HEADS

Wohler VIS 400 Visual Inspection System – Vertical Inspection Package **NEW**



Part no. 4133

APPLICATION

- Top down chimney inspection
- Vertical inspection of vents and flues

ADVANTAGES

- Compact - no unnecessary weight on the roof
- Additional LEDs - "high beam" setting
- 2" Color pan & tilt camera head
- Modular system
- Light weight – 3 lbs only
- Incl. carrying belt and protection bag

Wohler VIS 400 7" TFT monitor NTSC

Wohler VIS 400 7" TFT color monitor NTSC

mini USB cable

2 GB SD card, charger, case

leather protection bag with sunshade and shoulder belts

→ Accessories on page 79

Part no. 4106

Wohler VIS 400 Visual Inspection System NTSC Standard Kit

Wohler VIS 400 7" TFT color monitor NTSC with and pan and tilt camera head 2" dia

camera cable 100 ft

2 GB SD card

power supply

leather protection bag with sunshade and shoulder belts

plastic case

→ Accessories on page 79

Part no. 4133

Wohler VIS 400 Visual Inspection System – Chimney **NEW**



Part no. 4152

APPLICATION

- Bottom-up chimney inspection
- Inspection of vents and flues

ADVANTAGES

- 2" color pan & tilt camera head
- Additional LEDs - "high beam" setting
- Modular system
- Available with push rod or video cable
- Incl. carrying belt and protection bag
- On- screen digital distance measurement



Part no. 4153

Wohler VIS 400 Visual Inspection System Viper Kit

Wohler VIS 400 7" TFT color monitor NTSC

pan and tilt color camera head 2" dia

stabilization sleeve for color camera head

2 GB SD card

camera roller guide with protection cage

camera viper with 100 ft push rod, 0.28" dia

leather protection bag with sunshade and shoulder belts

aluminium case XXL

→ Accessories on page 79

Part no. 4152

Wohler VIS 400 Visual Inspection System Reel Kit

Wohler VIS 400 7" TFT color monitor NTSC

cable reel with integrated distance measurement (resolution 0.05 m, shown on screen)

camera holder for bottom-up chimney inspection

2 GB SD card

pan and tilt color camera head 2" dia with camera holder

replacement glass dome for camera head

camera cable 100 ft with distance counter

leather protection bag with sunshade and shoulder belts

aluminium case XXL

→ Accessories on page 79

Part no. 4153

Wohler VIS 400 Video Inspection System – Cavities NEW



part no. 7783



part no. 7784

APPLICATION

- Inspection of cavities or machines

ADVANTAGES

- Incl. telescope with flex and stay
- gooseneck up to 11 ft

Wohler VIS 400 Cavity Kit USA with camera head 1" V2 NTSC

Wohler VIS 400 color 7" TFT monitor NTSC
camera head 1" V2 NTSC
telescopic pole with gooseneck 3-5 ft
plastic case

→ Accessories on page 79

Part no. 7783

Wohler VIS 400 Cavity Kit USA with 1 1/2" pan & tilt head V2 NTSC

Wohler VIS 400 color 7" TFT monitor
pan & tilt camera head 1 1/2" V2 NTSC
telescopic pole with gooseneck 3-11 ft
plastic case

→ Accessories on page 79

Part no. 7784

| Monitor | | Part no. |
|---|---|-------------|
| | Wohler VIS 400 7" TFT monitor NTSC Wohler VIS 400 7" TFT monitor , protection bag with sunshade and shoulder belts, mini USB cable 2 GB SD card, charger, case | 4106 |
| Camera Heads | | Part no. |
| | Wohler Camera Head 1 1/2" dia, V2 NTSC, detachable with leather bag | 8926 |
| | Wohler Camera Head 1" dia, V2 NTSC, detachable with leather bag | 8934 |
| | Wohler Camera Head 2" dia NTSC, detachable with leather bag | 7853 |
| Domes for Camera Head 2" dia | | Part no. |
| | Wohler Replacement Glass Dome for Wohler 2" pan & tilt camera head | 7802 |
| | Replacement Glass Dome with protection cage for Wohler 2" pan & tilt camera head | 3494 |
| | Plastic domes for 2" camera head pack of 5 pieces | 7075 |
| Protection Sleeves & Domes for Camera Head 1 1/2" dia | | Part no. |
| | Wohler Protection Sleeve with cutout for camera head 1.5" dia | 2641 |
| | Wohler Protection Sleeve for camera head 1.5" dia | 3682 |
| | Wohler Glass Dome for pan and tilt camera head 1.5" dia | 3674 |
| | Wohler Replacement Polycarbonate Dome 10 pcs. for pan and tiltable camera head 1.5" dia | 3675 |

| Camera Cable | Part no. |
|---|-------------|
|  Wohler VIS 400 Camera Cable with distance marking | |
| 32 ft, extension cable | 8636 |
| 65 ft | 9172 |
| 100 ft | 7812 |
| 165 ft, without distance marking | 7845 |

| Camera Rods | Part no. |
|--|-------------|
|  Wohler GRP Camera Rod (2x Wohler 8-pin plugs) | |
| red rugged, 0.28" dia, 65 ft long | 7829 |
| red rugged, 0.28" dia, 100 ft long | 7306 |
|  Special Cable Connector with two female ends for Wohler VIS 400 | 9184 |

| Telescope | Part no. |
|--|-------------|
|  Wohler Telescopic Tube with flexible gooseneck | 7005 |
| for camera heads Wohler VIS 400 / VIS 2000 ^{PRO} and Wohler miniature camera heads. Length of the telescopic tube 3 ...5 ft plus gooseneck 1 ft . The flex and stay gooseneck remains in a bent position allowing for easy inspection. | |
|  Wohler Telescopic Tube with flexible gooseneck | 7024 |
| for camera heads Wohler VIS 400 / VIS 2000 ^{PRO} and Wohler miniature camera heads. Length of the telescopic tube 3 ...11 ft plus gooseneck 1 ft . The flex and stay gooseneck remains in a bent position allowing for easy inspection. | |

| Camera Viper and Cable Reel | Part no. |
|--|-------------|
|  Wohler Camera Viper 42 with digital distance counter | |
| with GRP camera rod red, 0.28" dia, 98 ft long | 7307 |
| with GRP camera rod red, 0.28" dia, 65 ft long | 7309 |
|  Wohler VIS 400 Cable Reel with integrated distance measurement (shown on monitor display), shoulder strap and connection cable to monitor, without video cable | 7816 |
|  Wohler Camera Rod Reel 42 with digital distance counter for GRP camera rod 0.26" dia, 98 ft long (comes without camera rod) | 7822 |

| Localization | Part no. |
|--|-------------|
|  Wohler L 200 Locator (Receiver) | 7430 |
| Wohler L 200 Locator Receiver, plastic case, USB power supply with micro USB cable grease crayon (12 pcs. box, yellow), telescopic rod and headphones | |

| Guidance Sets for Wohler Camera Head 2" dia | Part no. |
|--|-------------|
|  Wohler VIS Guidance Set 150 for 2" camera head | 3882 |
| protection cage, stabilization sleeve, centering star and centering star extension | |
|  Wohler VIS Guidance Set 110 for 2" camera head | 3881 |
| camera roller cage with protection cage and stabilization sleeve with star holder | |
|  Wohler Camera Spring Guide for 2" camera head | 8633 |
| for centering of the camera head in vertical vents. A stainless steel spring prevents a rotating and oscillating of the camera head. The spring is adjustable on the tubing size up to 14". | |
|  Wohler Camera Holder faces down | 3720 |
| for camera heads 1", 1 1/2" and 2" | |
|  Wohler Camera trolley for 2" camera head | 9548 |
| with M10 and M5 connection for pushing, size: 6.3" x 4.9" x 4.9" | |
|  Wohler VIS Maxi Adaptor for camera trolley | 9549 |
| for the inspection of larger ventilation ducts (from about 12") | |

Guidance Sets for pan & tilt Wohler Camera Head 1 1/2" dia **Part no.**

| | | |
|---|--|-------------|
|  | Relining Adapter for VIS 3xx 6888 | 6888 |
|  | Re-lining adapter set consisting of: re-lining adapter, centering star and 3 x stabilization sleeve | 6889 |
|  | Wohler Guidance Set 100 for VIS 3xx pan and tilt camera head 1 1/2" dia protection sleeve with cut-out, roller guide and centering star | 4240 |

Guidance Sets for pan & tilt Wohler Camera Head 1" dia **Part no.**

| | | |
|---|--|-------------|
|  | Re-lining adapter set consisting of: re-lining adapter, centering star and 3 x stabilization sleeve | 6889 |
|  | Wohler VIS Guidance Set 70 for 1" camera head guidance sleeve with protection cage and centering star | 3883 |

Components for Wohler Camera Head 2" dia **Part no.**

| | | |
|---|--|-------------|
|  | Wohler camera protection with brushes for 2" camera head | 3855 |
|  | Wohler camera roller guide with protection cage for 2" camera head | 7826 |
|  | Wohler stabilization sleeve for 2" camera head | 3590 |
|  | Wohler stabilization sleeve for 2" camera head with M10 male thread | 3591 |

Components for Wohler Miniature Camera Head 1" dia **Part no.**

| | | |
|---|---|-------------|
|  | Wohler Guidance Sleeve for 1" camera head | 3827 |
|  | Wohler Guidance Sleeve with protection cage for 1" camera head | 3847 |

Components for Wohler Camera Heads 1 1/2" and 1" **Part no.**

| | | |
|---|--|-------------|
|  | Wohler VIS Centering Brush for Wohler VIS 400 / VIS 2xx / VIS 3xx | 3850 |
|  | Wohler Guidance Weight Stainless Steel 1.7 lbs. for top to bottom inspections | 3857 |
|  | Wohler Camera Roller Guide for pan and tiltable camera head 1.5" | 3681 |
|  | Wohler Supplementary Light Ring with white LEDs for 2" pan&tilt camera head for 1 1/2" pan&tilt camera head in combination with guidance weight (art. 3857), incl. battery pack with four AA batteries 1.5 V in cordura bag. | 9377 |

Accessories **Part no.**

| | | |
|---|---|--------------|
|  | Wohler VIS Spare brushes 24 pieces for centering brush | 3858 |
|  | Wohler VIS Centering Star for Wohler VIS 2xx / 3xx 8" diameter with 6 brushes, with thread, centers the GRP camera rod, to guide the camera head | 3854 |
|  | Wohler VIS Centering Brush Extension 8" diameter with inner and outer thread for endless extension | 3853 |
|  | Wohler VIS Stabilization Tube for Wohler VIS 400 / 2xx / 3xx extension for camera guidance system, 1.4" x 3.0" dia POM black | 21736 |
|  | Wohler Guidance Ball for flex part of camera push rod | 3634 |

| Accessories | Part no. |
|---|----------|
|  Aluminium Case XXL 19 x 11 x 19" | 5824 |
|  Camera Backpack | 5560 |
|  Plastic Case Wohler VIS 400 | 4131 |
|  Power Supply for Wohler VIS 3xx / VIS 2xx 18V, 1.5A, 100-240V, 50 Hz, charge time 3 hours, for all countries | 3789 |
|  Car Charger Wohler VIS 2xx / 3xx, 18V | 3169 |
|  Chalk, yellow package with 12 pcs. | 1774 |
|  Wohler VIS Cleaning Set NEW 34 oz disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 7 oz lubricant, plastic case; for approx. 50 applications. | 4725 |
|  Wohler VIS Cleaning Set Refill NEW 34 oz disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 7 oz lubricant, plastic bag, for approx. 50 applications. | 4726 |

Wohler L 200 Locator **NEW**



TECHNICAL DATA

| Locator Receiver | |
|-----------------------|--|
| Display | Graphic visualization of the position of the camera head |
| Output impedance | |
| Headphones | Typ. 32 ohm |
| Power Supply | 3.7 V Li-Ion Battery |
| Operating Temperature | 32...104 °F |
| Storage Temperature | 14...104 °F |
| Weight | 1.3 lbs |
| Size | 12" x 6" x 3" (L x W x H) |

APPLICATION

The Wohler L 200 Locator makes it possible to locate the Wohler VIS Camera heads VIS 200/250/350 wirelessly. The location of the camera head is indicated on the display screen as well as by an audible signal.

ADVANTAGES

- Locates the radio signal transmitted by the camera head – rapidly pinpoints the location
- Easy to handle – user guided via display throughout the locating process
- Bright, easy-to-read color display
- Telescopic pole – allows the user to place the locator closer to the signal source
- Chalk holder – for chalk to mark the position where the camera head is located

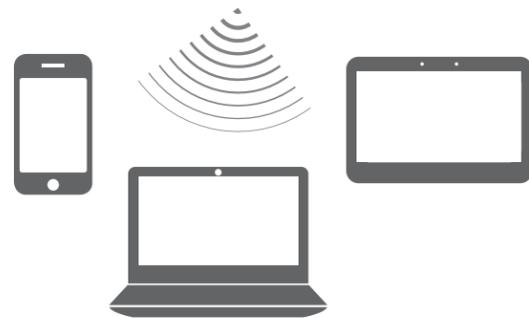


Wohler L 200 Locator (Receiver)

- Wohler L 200 Locator Receiver
- USB power supply with micro USB cable
- Chalk (12 pcs. box, yellow)
- telescopic rod
- headphones
- plastic case

Part no. 7430

Wohler VE 200 Video-Endoscope NEW



| TECHNICAL DATA | |
|----------------------------|---|
| Signal transmission | |
| WLAN | |
| Network Standard | IEEE 802.11 b/g/n |
| Antenna | Integrated IPEX Antenna |
| Frequency | 2.4 GHz |
| Data transmission rate | wireless card with 802.11 a/b/g/n up to 150 Mbit/s |
| Recording | |
| Camera Head | 0.33" dia |
| Image Resolution | 2.0 Megapixels |
| Focus | 2.36" to 4" |
| Video Resolution | 800 x 600 Pixel 1,024 x 768 Pixel 1,280 x 720 Pixel |
| Angle of view | 60° |
| Probe length | 3.28 ft |
| File formats | |
| Image format | .jpg |
| Video format | .avi |
| Light source | |
| | 6 adjustable LEDs |
| Additional light source | 1 watt LED |
| Power Supply | 4 AA batteries |

APPLICATION

- For inspection of inaccessible cavities from 3/4" in diameter (for example: roof insulation, exhaust pipes, sinks, fireplaces)
- Transmission of image and video data via wireless (WiFi) on laptop, tablet PC or Smartphone

ADVANTAGES

- Snapshot and Video Functions
- Direct forwarding of data - no further data transmission necessary
- Image display via wireless at all
- Compatible devices (such as netbooks, Smartphone, tablet)
- 4' gooseneck
- Video Recording
- Variable Light intensity of the flashlight for illumination of cavities

Wohler VE 200 Video Endoscope

| |
|---|
| Wohler VE 200 Video Endoscope |
| 4 ft probe, 0.33" dia |
| 4x AA batteries |
| plastic case |
| (The VE 200 is not compatible with Windows Phone) |

Part no. 7792



Wohler Glass Mirror



APPLICATION

- Inspection of objects hard to reach
- Inspection of chimneys
- Building inspection

ADVANTAGES

- Best view with glass mirror plates
- Pan and tilt
- Aluminium frame for protection
- Easy to replace
- Telescopic handle, extendable from 6" to 40 cm

Wohler Glass Hand Mirror 2" x 3"

Wohler Glass Hand Mirror 2" x 3"
leather cover

Part no. 5064

Wohler Glass Mirror small with telescopic handle

| |
|--|
| Wohler Glass Mirror small up to 40" extendable |
| ball joint (pan and tilt) |
| mirror plate 1" x 2.8" |
| aluminium frame |
| leather cover |

Part no. 8064

Wohler Glass Mirror medium with telescopic handle

| |
|--|
| Wohler Glass Mirror small up to 40" extendable |
| ball joint (pan and tilt) |
| mirror plate 2" x 3" |
| aluminium frame |
| leather cover |

Part no. 8059

Wohler Glass Mirror large with telescopic handle

| |
|--|
| Wohler Glass Mirror large up to 40" extendable |
| ball joint (pan and tilt) |
| mirror plate 3" x 6" |
| aluminium frame |
| leather cover |

Part no. 8087

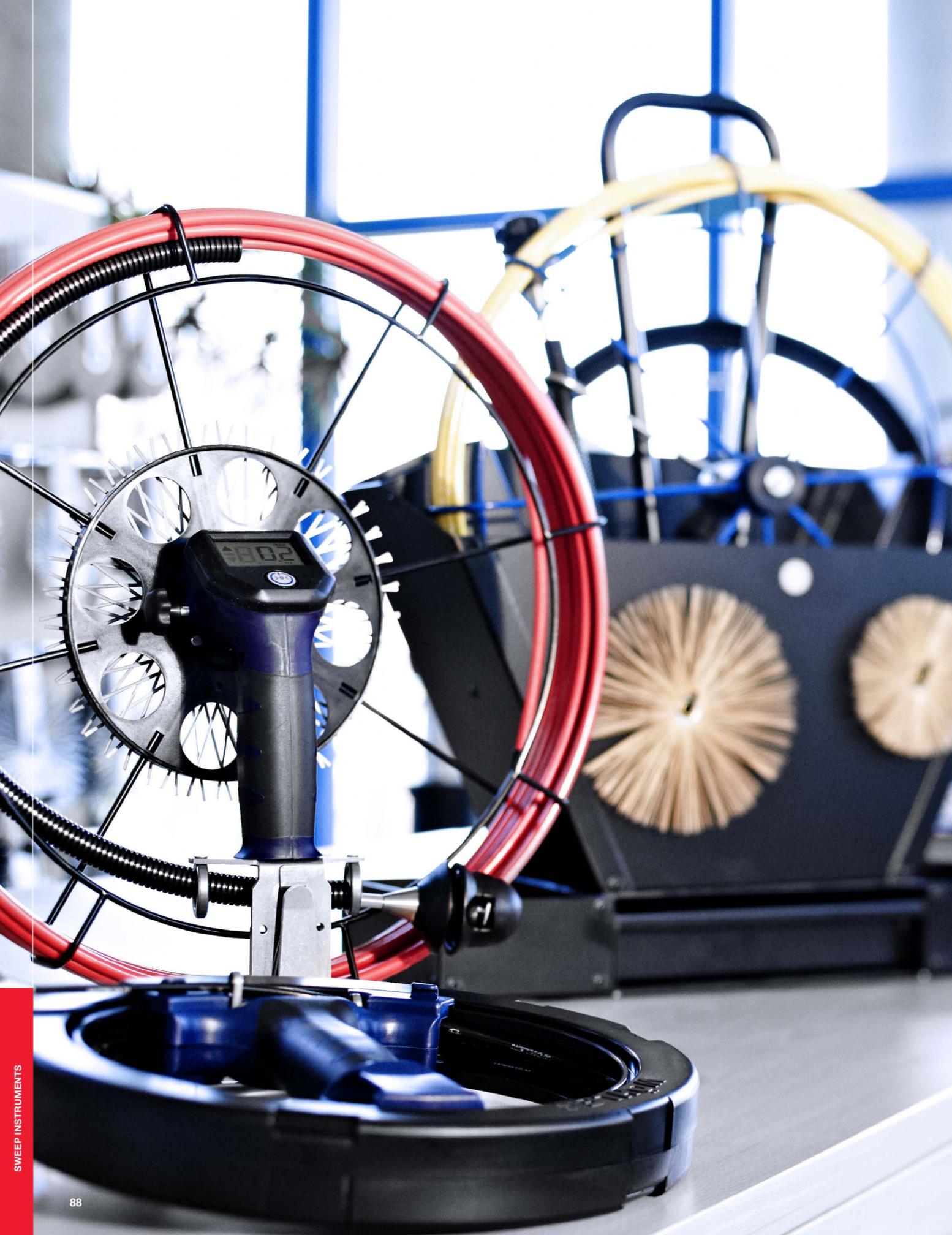


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PRODUCT OVERVIEW SWEEP INSTRUMENTS



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**Wohler DH 420
Pneumatic Viper**

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APPLICATIONS

| | | | | | | | | |
|-------------------------------|----------------|---|---|---|--|---|--|---|
| Chimneys (sizes in cm): | 6"..."8" | | • | • | | • | | |
| | 8"..."16" | | • | | | | | |
| | 16" and bigger | • | | | | | | |
| Flue Gas lines (sizes in mm): | 2"..."6" | | | • | | • | | • |
| | 6"..."10" | | • | • | | • | | • |
| | 10" and bigger | • | • | | | | | |
| Air duct (sizes in mm): | 3"..."6" | | | • | | • | | • |
| | 6"..."10" | | • | • | | • | | • |
| | 10"..."16" | • | | | | | | • |
| | 16" and bigger | • | | | | | | • |

FEATURES & BENEFITS

| | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|
| Horizontal and vertical cleaning | • | • | • | • | • | • | • | • |
| Sweeping top down | | • | • | • | • | • | • | • |
| Stainless steel approved | • | • | • | • | • | • | • | • |
| Portable | • | • | • | • | • | • | • | • |
| Lock/brake | • | • | • | • | • | • | | |
| CW/CCW rotation | | | | | | | • | |
| Extendable | • | • | • | | | • | | • |

TECHNICAL DATA

| | | | | | | | |
|-------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------|-----------------------------------|---------------------------|-----------------------|
| Length / diameter | 165 or 328 ft / GRP-Rod 0.5" dia | 50 or 65 ft / GRP-Rod 0.4" dia | 50 or 65 ft / GRP-Rod 0.3" dia | 50 ft / GRP-rod 0.2" dia | 50 or 65 ft / GRP-rod 0.3" dia | 16 or 33 ft / 0.6" dia | 33 ft / 0.4" dia |
| Size / weight | 32" or 39" dia / 46 - 75 lbs | 23" dia / 9 - 12 lbs | 17" dia / 4 lbs | 13" dia / 2.5 lbs | 17" dia / 4 lbs | 3 lbs / 4 lbs | 17" dia / 6 lbs |
| Thread | M10 thread | M10 thread | M10 thread | M5 thread | M10 thread | M10 thread | compressed air supply |

Wohler Viper L



Wohler Viper L 50 ft. (brush not included)

GRP Rod 0.35" dia
50 ft. long
two stainless steel endpieces M10
GRP-starholder 1.1" dia
protection tube 31.5" long (without stars)

Part no. 9412

TECHNICAL DATA

Cage diameter..... 23"
Height..... 24"
Weight..... 9,5 lbs – 12 lbs
Brake..... adjustable,
additional lock for transportation

APPLICATION

For sweeping chimneys, ventilation systems or pipes

ADVANTAGES

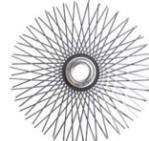
- Adjustable brake and safety lock
- Can be used standing upright or in horizontal position
- Integrated holder for up to 3 stars
- GRP Rod with resistant coat and length marking

Wohler Viper L 65 ft. (brush not included)

GRP Rod 0.35" dia
65 ft. long
two stainless steel endpieces M10
GRP-starholder 1.1" dia
protection tube 31.5" long (without stars)

Part no. 9413

Accessories

| Accessories | Part no. |
|--|--------------|
|  GRP Rod Repair Kit with stainless steel endpiece, screws and allen wrench 0.35" dia. | 3690 |
|  GRP Rod with 2 stainless steel end pieces, M10 internal thread | |
| 0.35" dia, 50 ft. long | 9015 |
| 0.35" dia, 65 ft. long | 9020 |
|  Stars Stainless Steel Flat Wire | |
| 7.8" dia, soft | 14020 |
| 10" dia, medium hard | 14125 |
| 11.8" dia, hard | 14130 |
|  Threaded Brushes Perlon | |
| 7.9" dia, 0.02" bristles | 18720 |
| 9.8" dia, 0.02" bristles | 18725 |
| 11.9" dia, 0.02" bristles | 18730 |
| 13.8" dia, 0.02" bristles | 18735 |

Wohler Handy Viper M



APPLICATION

Perfect tool for cleaning flue gas systems, chimneys of up to 10" dia as well as ducts and pipework

TECHNICAL DATA

Cage diameter..... 17"
Width..... 4"
Weight..... 5 lbs
incl. 50 ft GRP rod
Freewheel brake..... precisely adjustable

ADVANTAGES

- GRP Rod with resistant coat and length marking
- Precisely adjustable brake (DGBM patented)
- Integrated holder for up to 2 stars
- Belt clip for sweeping and carrying
- For threaded brushes and stars
- Very light weight

Wohler Handy Viper M 50 ft. with push head (brush not included)

Wohler Handy Viper M
GRP rod, 50 ft.
(without stars)

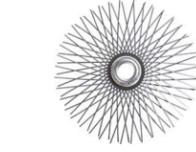
Part no. 7649

Wohler Handy Viper M 65 ft. with push head (brush not included)

Wohler Handy Viper M
GRP rod, 65 ft.
(without stars)

Part no. 7648

Accessories

| Accessories | Part no. |
|--|--------------|
|  GRP Rod Repair Kit with stainless steel endpiece, screws and allen wrench 0.3" dia | 3696 |
|  GRP Rod with 1 stainless steel end piece, M10 internal thread | |
| 0.35" dia, 50 ft long | 7015 |
| 0.35" dia, 65 ft long | 7020 |
|  Stars Stainless Steel Flat Wire | |
| 7.8" dia, soft | 14020 |
| 10" dia, medium hard | 14125 |
| 11.8" dia, hard | 14130 |
|  Threaded Brushes Perlon | |
| 7.9" dia, 0.02" bristles | 18720 |
| 9.8" dia, 0.02" bristles | 18725 |
| 11.9" dia, 0.02" bristles | 18730 |
| 13.8" dia, 0.02" bristles | 18735 |
|  Stars, PEK | |
| 6" dia | 13815 |
| 7.9" dia | 13820 |
| 9.8" dia | 13825 |

Wohler Viper XL / XXL



TECHNICAL DATA

Wohler Viper XL

Cage diameter..... 31.5"
 Width..... 20"
 Height..... 37"
 Weight..... 46 lbs

Wohler Viper XXL

Cage diameter..... 40"
 Width..... 20"
 Height..... 46"
 Weight..... 75 lbs

APPLICATION

- For sweeping large chimneys, ventilation systems or pipes

ADVANTAGES

- GRP Rod with resistant coat and distance marking
- A camera trolley with a Wohler VIS 400 camera head can be installed and pushed

Wohler Viper XL (brush not included)

viper cage 31.5" and wheels
 GRP Rod 0.4" dia
 with stainless steel endpieces M10, 164 ft long
 GRP-starholder 1.1" dia, without stars

Part no. 3332

Wohler Viper XXL (brush not included)

viper cage 40" and wheels
 GRP Rod 0.4" dia with stainless steel endpieces
 M10, 328 ft long
 GRP-starholder 1.1" dia, without stars

Part no. 3337

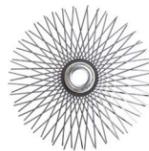
Accessories Part no.



GRP Rod Repair Kit

with stainless steel end piece, screws and allen wrench 0.43" dia.

3691



Stars Stainless Steel Flat Wire

7.8" dia, soft
 10" dia, medium hard
 11.8" dia, hard

14020

14125

14130



Threaded Brushes Perlon

7.9" dia, 0.02" bristles
 9.8" dia, 0.02" bristles
 11.9" dia, 0.02" bristles
 13.8" dia, 0.02" bristles

18720

18725

18730

18735

Wohler H 420 Viper M



Digital Meter Counter

TECHNICAL DATA

Cage diameter..... 17"
 Width..... 4"
 Weight..... 4.4 lbs incl. 50 ft GRP rod
 Freewheel brake..... precisely adjustable
 resolution meter counter ... 0.1 m

APPLICATION

Perfect tool for cleaning flue gas systems, chimneys of up to 10" dia as well as ducts and pipework

ADVANTAGES

- Digital meter counter
- Precisely adjustable brake (DGBM patented)
- Integrated holder for up to 2 stars
- Belt clip for sweeping and carrying
- For push head brushes, stars and sponges
- Very light weight

Wohler H 420 Handy Viper, 50 ft. with digital distance measurement

GFK-rod 0.28" dia
 threaded star holder (brush not included)

Part no. 3770

Wohler H 420 Handy Viper 65 ft. with digital distance measurement

GFK-rod 0.28" dia
 fast change star holder (brush not included)

Part no. 3790

Accessories Part no.



GRP Rod Repair Kit

with stainless steel endpiece, screws and allen wrench 0.3" dia

3696



GRP Rod

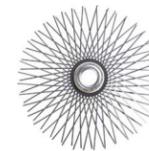
with 1 stainless steel end piece, M10 internal thread

0.35" dia, 50 ft long

7015

0.35" dia, 65 ft long

7020



Stars Stainless Steel Flat Wire

7.8" dia, soft
 10" dia, medium hard
 11.8" dia, hard

14020

14125

14130



Threaded Brushes Perlon

7.9" dia, 0.02" bristles
 9.8" dia, 0.02" bristles
 11.9" dia, 0.02" bristles
 13.8" dia, 0.02" bristles

18720

18725

18730

18735



BRUSH TYPES AND RECOMMENDED APPLICATIONS / USES

Stainless Steel Crimped Wire:

Thin Stainless steel wires that have been crimped. Excellent for soft to medium soot in all chimneys

Stainless Steel Flat Wire:

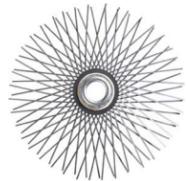
Premium flat wire for harder deposits in masonry/tile Chimneys

Perlon:

Black Plastic Fiber for light condition sweeping in stainless steel chimneys. Heat tolerant to 122 °F

PEK:

High Tech Synthetic Fiber for light condition sweeping in Stainless steel chimneys, ducts, pellet stoves. Heat Tolerant to 300 °F

| Stars | Part no. |
|---|---|
| Star, Stainless Steel, Flat Wire | |
|  | 6" dia, soft 14015 |
| | 7.8" dia, soft 14020 |
| | 10" dia, medium hard 14125 |
| | 11.8" dia, hard 14130 |
| | 13.8" dia, hard 14135 |
| | 15.8" dia, very hard 14240 |
| Star, Stainless Steel, Crimped Wire | |
|  | 6" dia 14315 |
| | 7.8" dia 14320 |
| | 9.8" dia 14325 |
| | 11.8" dia 14330 |
| Star, PEK | |
|  | 6" dia 13815 |
| | 7.9" dia 13820 |
| | 9.8" dia 13825 |
| | 11.8" dia 13830 |
| Star, Perlon | |
|  | 6" dia 0.05" bristles 2019 |
| | 7.9" dia 0.05" bristles 2752 |
| | 9.8" dia 0.05" bristles 2755 |
| | 11.8" dia 0.05" bristles 2018 |
| | 15.7" dia 0.08" bristles 8140 |

| Threaded Brushes | Part no. |
|--|--|
| Threaded Brush, Stainless Steel, Flat Wire with M10 thread | |
|  | 6" dia, soft 18915 |
| | 7.9" dia, medium hard 18420 |
| | 9.8" dia, medium hard 18425 |
| | 11.8" dia, hard 18530 |
| | 13.8" dia, hard 18535 |
| Threaded Brush, Stainless Steel, Crimped Wire with M10 thread | |
|  | 6" dia 19115 |
| | 7.9" dia 19120 |
| | 11.8" dia 19125 |
| Threaded Brush, PEK | |
|  | 6" dia 18815 |
| | 7.9" dia 18820 |
| | 9.8" dia 18825 |
| Threaded Brush, Perlon | |
|  | 6" dia, 0.02" bristles 18715 |
| | 7.9" dia, 0.02" bristles 18720 |
| | 9.8" dia, 0.02" bristles 18725 |
| | 11.9" dia, 0.02" bristles 18730 |
| | 13.8" dia, 0.02" bristles 18735 |
| | 15.7" dia, 4 layers, 0.08" bristles 18740 |
| | 19.7" dia, 4 layers, 0.08" bristles 18750 |

Wohler Mini Viper

APPLICATION

Perfect tool for cleaning:

- Flue Gas Systems
- Chimneys
- Ducts
- Pipeworks



TECHNICAL DATA

Cage diameter..... 13"
 Weight..... 2.2 lbs incl. 50 ft GRP rod
 Freewheel brake..... precisely adjustable

ADVANTAGES

- lightweight, 2.2 lbs only
- GRP-Rod with resistant PA coating and distance marking
- Foldable handle
- Belt clip
- Ergonomic shape

Wohler Mini Viper with handle and belt clip (brush not included)

GRP Rod 0.2" dia, 50 ft long
 stainless steel endpiece M5
 guidance adapter
 protection tube

Part no. 8872

Accessories

Mini hole star, PEK

| | Part no. |
|----------|----------|
| 2.8" dia | 8644 |
| 3.9" dia | 8645 |
| 5.1" dia | 8646 |
| 6" dia | 8647 |
| 7.9" dia | 8648 |

Threaded Brush, PEK with M5 male thread

| | |
|----------|------|
| 2.8" dia | 3803 |
| 3.9" dia | 8076 |
| 5.1" dia | 7091 |
| 5.9" dia | 3839 |
| 7.9" dia | 7990 |

Accessories

GRP Rod Repair Kit

with stainless steel end piece, screws and allen wrench 0.18"

3687

Wohler Compressed Air Cleaning – Standard Set



APPLICATION

Appropriate for small, round ventilation pipes up to 5" dia.



ADVANTAGES

- Counterclockwise rotating helicopter nozzle causes a forward movement
- Easy operation
- Cleaning of pipes up to 23 ft possible

Wohler Compressed Air Cleaning Standard Set

compressed air hose 23 ft incl. cock
 Wohler counterclockwise rotating helicopter nozzle
 plastic case

Part no. 7560

Wohler Compressed Air Cleaning – Professional Set



TECHNICAL DATA

Pneumatic Viper

Weight 5 lbs (incl. hose 33 ft)
 Braking effect adjustable break

Compressed-air hose

Length 33 ft
 Gain GRP-barrel

Viper Cage

Diameter 17"
 Material stainless plastic coated

Digital Distance Measurement

Measuring Unit meter or feet (m or ft)
 Resolution 0.1
 Battery 3.6 V lithium-ion battery

Demands on a connecting compressor unit

Pressure up to 10 bar
 Output power 120 V
 Boilercontent 50 l

Wohler Compressed Air Cleaning Professional Set

Wohler DH 420 Air Operating Viper

33 ft compressed air GRP hose incl. cock and compressed air connection

compressed air hose reel with 65 ft hose

Wohler compressed air planishing mallet 7-time 1.6 ft long

Wohler counterclockwise rotating helicopter nozzle

guidance roller ball

XXL-plastic case

Part no. 7570

APPLICATION

Appropriate for round and angular ventilation pipes

ADVANTAGES

- Easy operation of the Pneumatic Viper due to the belt holder
- Appropriate for small and big pipes
- Extension possible due to the hose reel

Wohler DH 420 Pneumatic Viper

Digital Meter Counter



APPLICATION

The ideal instrument for cleaning ventilation pipes

ADVANTAGES

- Easy operation due to the belt holder – you have free hands!
- Cleaning of 10 m pipes possible
- Due to the glass fiber reinforced plastic the hose can be pushed easily

Wohler DH 420 Pneumatic Viper with 33 ft compressed air hose

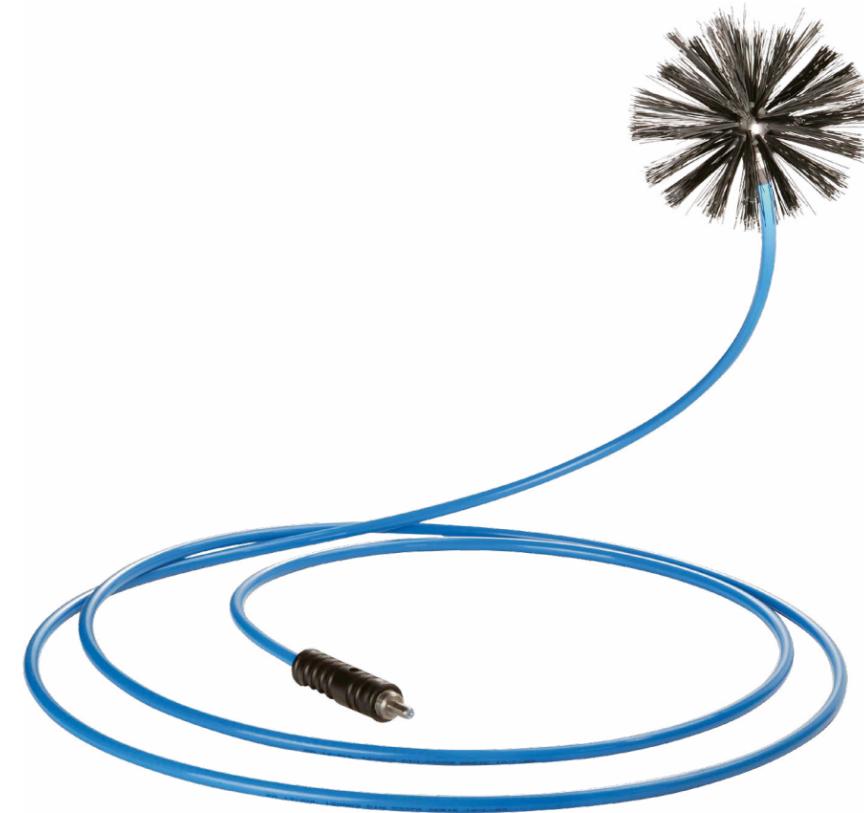
GRP hose incl. cock
compressed air connection

Part no. 7580

Accessories Part no.

| | | |
|---|---|--------------|
|  | Wohler Roller guide ball Compressed Air Cleaning for guiding the Wohler DH 420 Air Operating Viper in angular shaped ventilation pipes | 7552 |
|  | Wohler helicopter nozzle backwards rotating appropriate for compressed air cleaning, combined with brushes and blast pipe effect for persistent contamination in small ducts | 7556 |
|  | Wohler helicopter nozzle forwards rotating appropriate for compressed air cleaning, combined with brushes and blast pipe effect for persistent contamination in small ducts | 7557 |
|  | Wohler Compressed Air Whip with 7 ends Compressed Air Cleaning inside Ø 2.0 mm, 1.6 ft long, particular suitable for bigger pipe diameters | 7562 |
|  | Hose Reel - 65 ft hose Compressed Air Cleaning incl. 5 ft connecting hose and adapter plug | 7565 |
|  | Wohler Sealing Set Ventilation includes: sealing bladder size 3 for 4 – 9.8" dia and size 5 for 7.9" – 15.7" dia, with release valve | 7506 |
|  | Wohler TA 420 Thermoanemometer includes: Wohler TA 420 with telescope tube, 4 batteries 1,5 V Typ AA plastic case | 4605 |
|  | Wohler FA 430 Fan Anemometer NEW incl. CO ₂ -Measurement Wohler FA 430 Fan Anemometer, 4 x AAA batteries, plastic carrying case | 4147 |
|  | Air Flow Funnel K 75 for Wohler A 600 / TA 420 range 30-750 m ³ /h size 1 x 1 x 1.2 ft | 53793 |
|  | Aluminium Case XXL 19" x 11" x 19" | 5824 |

Wohler Rotary Viper Vent



TECHNICAL DATA

| | |
|---------------------|------------------------------|
| Length | 16 ft or 33 ft |
| Coat | very flexible, 0.6" dia |
| Threaded connection | internal M10 |
| Tap for drill chuck | 0.4" dia |
| Core | 0.4" dia, CW/CCW rotation |

ADVANTAGES

- CW/CCW rotation
- Due to a small end piece also applicable for smaller bends
- Very light weight 2.2 lbs
- Extremely flexible shaft
- Can be operated with battery driven drill

APPLICATION

Effective cleaning of dryer vents, duct and piping

Wohler Rotary Viper Vent 5 ft long

Rotary Viper Vent
Perlon brush 7"

Part no. 4882

Wohler Rotary Viper Vent 9.8 ft long

Wohler Rotary Viper Vent
Perlon brush 7"

Part no. 4867

Wohler Rotary Viper Vent 16.4 ft long

Wohler Rotary Viper Vent
Perlon brush 7"

Part no. 4832

Wohler Rotary Viper Vent 33 ft long

Wohler Rotary Viper Vent
Perlon brush 7"

Part no. 4866

Wohler Rotary Viper Vent Set 33 ft long

Wohler Rotary Viper Vent 33 ft long
Perlon brush 7"
Perlon brush 7.9"
Perlon brush 11.8"

Part no. 7511

WÖHLER

WÖHLER USA INC.

5 Hutchinson Drive · Danvers, M.A. 01923

TEL.: +1 978 750 9876 · **FAX:** +1 978 750 9799

E-MAIL: info@wohlerusa.com · **INTERNET:** www.wohlerusa.com



www.wohlerusa.com