

WÖHLER

CATALOG

PRODUCTS FROM THE MANUFACTURER
MEASURE | INSPECT | CLEAN

The Measure of Technology



Here at Wohler USA, our focus is, and always has been, on customer service. With the customer first approach, we have been able to listen to and be there for our customers for almost 20 years. We have been able to evolve and grow, year after year and to our customers we say Thank you!

We will continue to work hard to provide you the most innovative products for your business, because we know you also demand the best for your customers.

Our product offerings are constantly evolving as we listen to the needs of you, the customer. Whether you are a homeowner, new business owner, or experienced professional, we will be there to insure you have the right equipment for the job.

To our current customers, we thank you. To our future customers, we look forward to supporting you and welcoming you to the Wohler family.

Elmar Schrader

President of Wohler USA Inc.

Contents

Wohler Catalog

Combustion Analysis Combustion Analysis Soot Testing Wood & Building Materials Moisture Measurement	7 – 32	1
Leakage and Pressure Measurement Differential Pressure Pressure and Flow Leakage Testing	33 – 44	2
IAQ / Building Measurement Measurement of Temperature / Humidity / Air Quality Air Speed Measurement	45 – 60	3
HD Visual Inspection HD Inspection Technology HD Endoscopy	61 – 76	4
Visual Inspection Inspection Technology Endoscopy Visual Inspection	77 – 98	5
Cleaning Technology Ventilation Systems Cleaning with Compressed Air / Water Cleaning of Ventilation Lines with Brushes	99 – 118	6
Cleaning Technology Chimneys / Exhaust Pipes Cleaning of Chimneys / Exhaust Pipes	119 – 136	7
Wohler Academy The Wohler Academy Team Individual Online Training	137 – 138	8
Index	139 – 140	9



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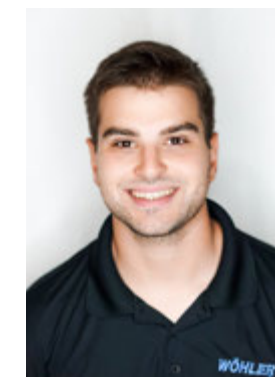
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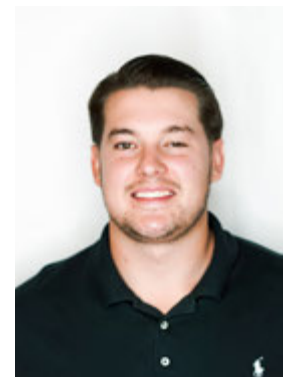
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WÖHLER 24/7

ALWAYS THERE FOR YOU

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The new Wohler catalog makes it particularly easy for you to find information and order online. Simply scan the QR code of the respective product page with your smartphone or tablet or enter wohlerusa.com \article number into your browser. This will take you directly to the product's website and you will be able to complete your request as quickly as possible. Of course we are also personally available for you with our service hotline.



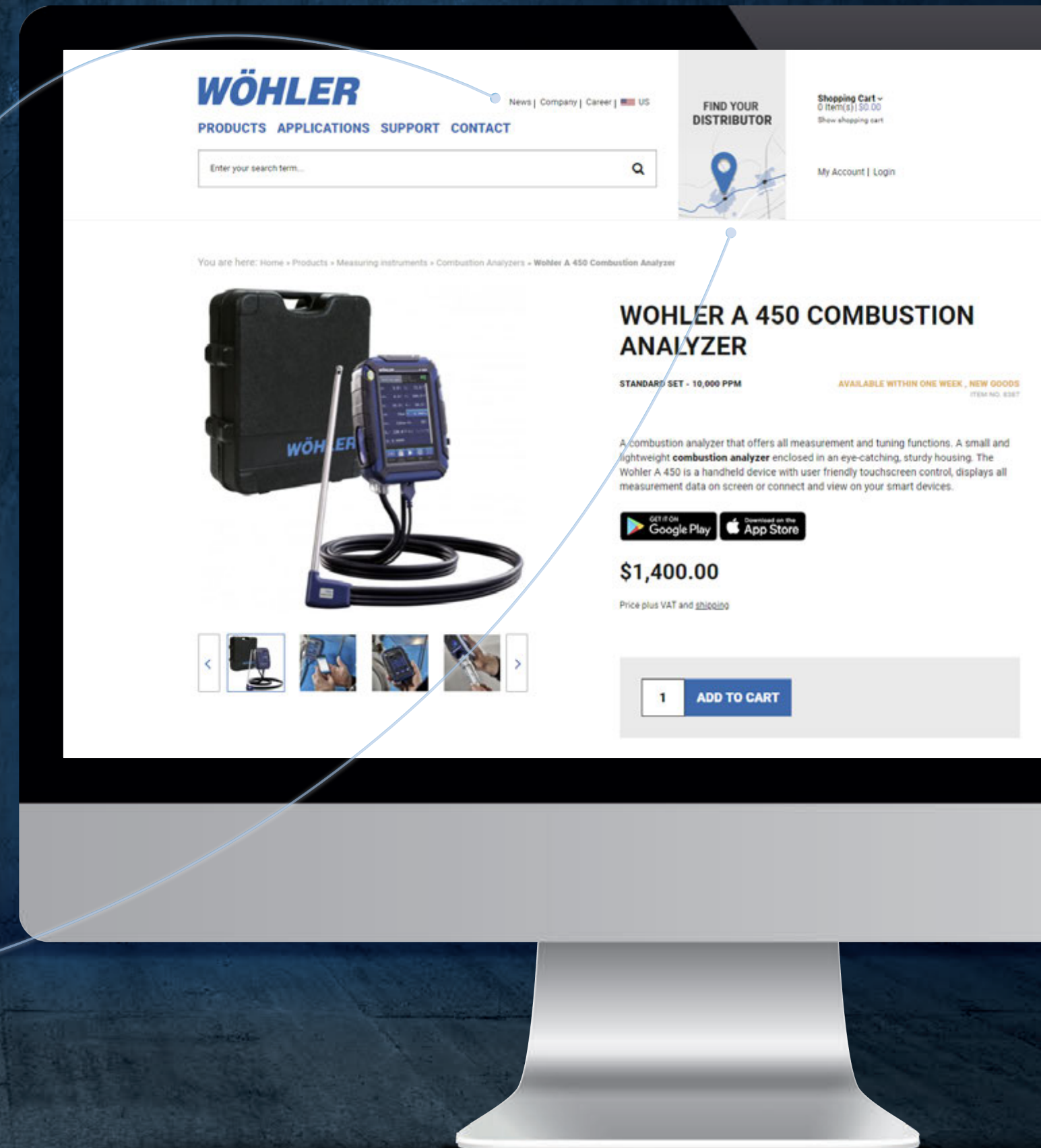
This will take you directly to the product's website and you will be able to complete your request as quickly as possible. Of course we are also personally available for you with our service hotline. Do not hesitate to contact us!

ALWAYS UP TO DATE

Keep yourself informed about what is happening at Wohler or enjoy informative articles about professional craftsmanship in our news section.

STRONG PARTNERS IN THE USA

Find an overview of all Wohler Partners on our website! They will be happy to help you with your requests all over the country.





Combustion Analysis

Product Overview	9 – 10
Combustion Analysis	11 – 22
Wohler A 450 / 450 L Combustion Analyzer	11 – 14
Wohler A 550 / 550 L Combustion Analyzer	15 – 18
Wohler A 550 INDUSTRIAL Flue Gas Analyzer	19 – 22
Soot Testing	23 – 24
Wohler RP 72 Smoke Pump	23 – 24
Wood & Building Materials Moisture Measurement	25 – 27
Wohler HF 550 Wood Moisture Meter	25
Wohler HBF 420 Moisture Meter	26
Wohler HF 300 Wood Moisture Meter	27
Accessories	28 – 32
Accessories Combustion Analysis	28 – 31
Accessories Soot Testing	31 – 32
Accessories Wood & Building Materials Moisture Measurement	32

Product Overview

Page

13 – 14

14

17 – 18

18

21 – 22



**Wohler A 450
Combustion Analyzer**



**Wohler A 450 L
Combustion Analyzer**



**Wohler A 550
Combustion Analyzer**



**Wohler A 550 L
Combustion Analyzer**



**Wohler A 550 INDUSTRIAL
Flue Gas Analyzer**

Applications	Wohler A 450 Combustion Analyzer	Wohler A 450 L Combustion Analyzer	Wohler A 550 Combustion Analyzer	Wohler A 550 L Combustion Analyzer	Wohler A 550 INDUSTRIAL Flue Gas Analyzer
Residential	•	•	•	•	•
Commercial			•	•	•
Industrial					•
Manifold and Differential Pressure	•	•	•	•	•
Tuning Guide	•	•	•	•	•
Data Management	•	•	•	•	•
Stack gas velocity					•
Sensors					
O ₂ -Sensor	0...21 %	0...21 %	0...21 %	0...21 %	0...21 %
CO-Sensor	0...10,000 ppm	0...5,000 ppm	0...10,000 ppm	0...100,000 ppm	0...100,000 ppm
NO-Sensor	0...3,000 ppm optional	0...3,000 ppm optional	0...3,000 ppm optional	0...3,000 ppm optional	0...3,000 ppm
NO ₂ -Sensor			optional		0...1,000 ppm
SO ₂ -Sensor			optional		0...5,000 ppm
CO _H -Sensor					100,000 ppm
CO ₂ NDIR-Sensor					0...40 % optional
H ₂ S-Sensor					350 ppm optional
Stack Temperature	-4...1,472 °F	-4...1,472 °F	-4...1,472 °F	-4...1,472 °F	-4...1,472 °F (2,192 °F optional)
Supply Air Temperature	-4...212 °F	-4...212 °F	-4...212 °F	-4...212 °F	-4...212 °F
Differential Pressure	±44 InWC	±44 InWC	±44 InWC	±44 InWC	±44 InWC
Warranty	4 years	2 years	4 years	4 years	2 years
Operation features					
Color Touch Screen Display	5"	5"	7"	7"	7"
USB and IR port for printer	•	•	•	•	•
Bluetooth® port for computer			•	•	•
Wireless LAN	•	•			
Interchangeable Probe			•		•
Safety features					
Self Diagnosis	•	•	•	•	•
CO overload protection			•		
Filter Technology	•	•	•	•	•
Filter and Pump Monitor	•	•	•	•	•
Field Replaceable / Longtime Sensors	•	•	•		•

• = included



Wohler A 450 / 450 L Combustion Analyzer

Maintenance Work / Adjustment Work / Emission Measurement



Application

- ▶ Residential combustion analysis
- ▶ Service and maintenance tasks
- ▶ Determine flue gas loss and burner tuning
- ▶ Emission control measurements
- ▶ NO measurement (optional)
- ▶ Differential pressure / gas pressure measurement

Advantages

- ▶ Switch on – read off – done
- ▶ Rugged and compact analyzer that offers all measurement and tuning functions
- ▶ High-resolution 5" color touchscreen: 14 measured values available at a glance
- ▶ Future-proof network connectivity with Wireless LAN
- ▶ Wohler A 450 app included

Warranty: 24 months; excludes thermocouples, rechargeable battery and optional NO-Sensor. For more information see our Terms and Conditions.

Technical data

Display	5" Colour touch screen
Sensors	up to 3
	O ₂ 0...21%
	CO 0...5,000 ppm
	0...10,000 ppm
	NO 0...3,000 ppm
Power supply	Lithium-ion battery 6 h service life
Weight	1.4 lbs
Security	4 Filter technology with filter monitoring



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Product selection

p. 13 – 14

Accessories

p. 28 ff.



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



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



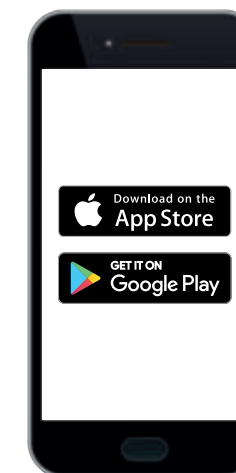
Printout of the measured data on site.



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



Easy access to condensate trap and filters.



Wohler VIS 450 App

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

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

The measured values can be sent to mobile devices via Wireless LAN and further processed via APP.

Wohler A 550 / 550 L Combustion Analyzer

Maintenance Work / Adjustment Work / Emission Measurement



Application

- ▶ Burner adjustment and determination of combustion loss
- ▶ Residential and commercial applications
- ▶ Burner maintenance

Advantages

- ▶ 7" color touchscreen as intuitive to use as a smartphone
- ▶ 48 month warranty on the analyzer and sensor
- ▶ Including wood moisture measurement and spillage test
- ▶ Probe and hose assembly with start / stop function (Wohler A 550 only) for remote analyzer operation
- ▶ Multiple communication capabilities including smartphones and tablets

Warranty: O₂- / CO-Sensor 4,000 ppm 48 months; excludes thermocouples, rechargeable battery and optional NO-Sensor. For more information see our Terms and Conditions.

Technical data

Display	7" Colour touch screen
Sensors	up to 5
	O ₂ 0...21%
	CO 0...10,000 ppm
	0...100,000 ppm
	NO 0...3,000 ppm
	NO ₂ 0...1,000 ppm
Power supply	Lithium-ion battery 12 h service life
Weight	2.8 lbs
Security	5 Filter technology with filter monitoring



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Product selection
p. 17 - 18



Accessories
p. 28 ff.



Printing out the results on the spot with the Wohler TD 100 Thermal Fast Printer.



The Wohler A 550 Combustion Analyzer with protective hinged lid.



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



Optional probe available for wood moisture measurement.



The bright blue condensate trap is able to be serviced quickly and easily.



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



	Wohler A 550 Combustion Analyzer Basic Set	Wohler A 550 NO Combustion Analyzer Professional Set	Wohler A 550 NO / NO ₂ / SO ₂ Combustion Analyzer Basic Set	Wohler A 550 L Combustion Analyzer Basic Set
Scope of delivery	Wohler A 550 L Combustion Analyzer			
	•	•	•	•
Wohler A 550 Combustion Analyzer	•	•	•	•
O ₂ -Sensor	•	•	•	•
CO _H -Sensor 100,000 ppm				•
CO-Sensor 10,000 ppm	•	•	•	
NO-Sensor 3,000 ppm		•	•	
NO ₂ -Sensor 3,000 ppm		•	•	
SO ₂ -Sensor 5,000 ppm			•	
Lithium-ion battery	•	•	•	•
USB-Charger with Micro-USB cable	•	•	•	•
Bluetooth®, USB and IR interfaces	•	•	•	•
Magnetic mount	•	•	•	•
Combustion Air Temperature Probe	•	•	•	
Gas Probe 10.8"			•	•
Gas Probe 11.6"	•	•		
Changeable Gas Probe	•	•	•	•
Cable Hose 5.7'				•
Cable Hose 10'	•	•	•	
Clamping Cone	•	•	•	
Wadding Filter (25 pcs.)	•	•	•	•
Water Stop Filter	•	•	•	•
Coarse Filter	•	•	•	•
Wohler TD 100 Thermal Fast Printer	•	•	•	•
Thermal Paper	•	•	•	•
Plastic Case MIDI				•
Plastic Case MAXI	•	•	•	
Article no.	7757	7764	7765	7754
Buy now online! 🛒	wohlerusa.com/7757	wohlerusa.com/7764	wohlerusa.com/7765	wohlerusa.com/7754

• = included

Accessories
p. 28 ff.

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Wohler A 550 INDUSTRIAL Flue Gas Analyzer

Maintenance Work / Adjustment Work / Emission Measurement



Application

- ▶ For industrial heating systems
- ▶ For burner adjustment and determination of combustion loss
- ▶ For commercial and industrial applications
- ▶ In-stack sinter-filter for heavy dust loaded samples
- ▶ High temperature processes

Advantages

- ▶ 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
- ▶ Graphical hot spot search
- ▶ 24 month warranty¹⁾

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

Technical data

Display	7" Colour touch screen	
Sensors	up to 5	
	O ₂ -Sensor	0...21 %
	CO _H -Sensor	0...100,000 ppm
	CO _N -Sensor	0...10,000 ppm (H ₂ -compensated)
	CO ₂ NDIR-Sensor	0...40 Vol. %
	NO-Sensor	3,000 ppm
	NO ₂ -Sensor	1,000 ppm
Power supply	SO ₂ -Sensor	5,000 ppm
	H ₂ S-Sensor	350 ppm
	Lithium-ion battery 7 h service life	
Weight	2.8 lbs	
Security	5 Filter technology with filter monitoring	

Product selection
p. 21

Accessories
p. 28 ff.



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New high temperature probe with optional heat protection shield allows measurements under toughest conditions.



Clean job

Once attached the flue gas will pass through and will be dried completely. This way only clean and dry flue gas enters the device, ensuring accurate results.



Every detail considered

Life ain't always easy – our new Peltier cooler makes it easy and offers a solution for every tricky situation.



Highly fl exible

No matter how – top down, or bottom up – with the included adapter there are no limitations in your applications.



Measuring at different spots

It's up to you: Simply extend the probe from 1 meter to 2 meters if necessary. At both lengths it can be equipped with a thermo couple for temperature measurements.



Sinter-Filter for clean measurements

Tough environment? Heavy dust load? No problem! Our high temperature sinter-filter will guarantee clean measurements.



New heat protection shield

Easy to attach: protects you and your device when measuring at high temperature spots.

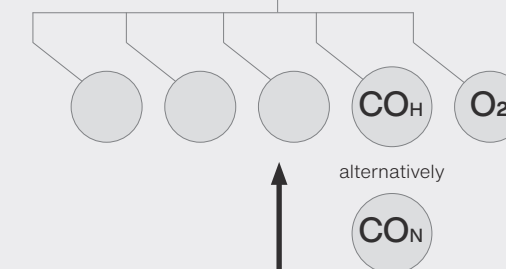


**Wohler A 550 INDUSTRIAL
Flue Gas Analyzer**
ready for measurement

Scope of delivery	Wohler A 550 INDUSTRIAL Flue Gas Analyzer	•
	Cable Hose 10'	•
	Bluetooth®, USB and IR interfaces	•
	Ambient Temperature Plug	•
	USB-Charger with Micro-USB cable	•
	Lithium-ion battery	•
	Water Stop Filter	•
	Coarse Filter	•
	Wadding Filter (25 pcs.)	•
	Peltier cooler	•
	O ₂ -Sensor	•
	CO _H -Sensor	•
	CO _N -Sensor	○
	NO-Sensor	•
	NO ₂ -Sensor	•
	SO ₂ -Sensor	•
	CO ₂ NDIR-Sensor	○
	H ₂ S-Sensor	○
	Gas Probe 3' with stainless steel sinter-filter (up to 1,472 °F)	•
	High Temperature Probe 3' for measurements (up to 2,192 °F)	○
Probe extension 3' (up to 2,192 °F)	○	
Heat protective shield	○	
Plastic Case	•	

Article no. 2948

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Configure your Wohler A 550 INDUSTRIAL Flue Gas Analyzer with up to **5 Sensors**

decide which sensor variation suits your requirements



• = included | ○ = optional

Accessories
p. 28 ff.



Wohler RP 72 Smoke Pump

Measurement of soot level



Application

- ▶ Measuring the soot level manually

Advantages

- ▶ Rugged and reliable 10 stroke Smoke 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

Technical data	
Flue gas volume	55 oz with 10 strokes
Intake hose	3'



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Accessories

p. 28 ff.

		Wohler RP 72 Smoke Pump Basic Set	Wohler RP 72 Smoke Pump Professional Set
Scope of delivery	Wohler RP 72 Smoke Pump	•	•
	Hose 3'	•	•
	Extraction Probe 8.7"	•	•
	Smoke spot comparison scale		•
	Threaded Cone		•
	Oil test bottle		•
	Maintenance Oil		•
	Filter papers (300 pcs.)		•
	Short wadding		•
	Long wadding	•	•
Probe brush		•	
Article no.		2412	9152

• = included

Wohler HF 550 Wood Moisture Meter

Moisture Measurements of Firewood Logs and Bulk Materials



Application

- ▶ Determine the moisture of fuel when inspecting the fireplace
- ▶ Acceptance test of fireplaces for solid fuels
- ▶ Professional customer advice service following the installation of a solid fuel heating system
- ▶ Wood and fuel outlets

Advantages

- ▶ Unconditional versatility: Measure moisture of firewood logs and bulk materials with just one instrument
- ▶ Unconditional precision: TÜV tested
- ▶ Unconditionally robust: Robust instrument – robust probe
- ▶ Unconditionally user-friendly: Intuitive menu navigation, color display, integrated data management

Technical data		
Moisture measurement of firewood logs	Display	Wood moisture u displayed in % relative to the dry mass of the fuel; user can switch to water content w displayed in % relative to the moist mass of the fuel
	Wood species	14 wood species to choose from
	Temperature compensation	Measures temperature of material by means of a temperature probe
	Measurement principle	Electrical resistance measurement
	Measurement range moisture	10...40 % u , resolution 0.1 % u
	Measurement range water content	9...29 % w , resolution 0.1 % w
	Accuracy	±40 % of reading

Wohler HF 550 Wood Moisture Meter

Scope of delivery	Wohler HF 550 Wood Moisture Meter
	Temperature Probe
	Wood Moisture Lance Probe
	USB Power Supply
	Bag
	Article no. 1141

Accessories
p. 28 ff.

Wohler HBF 420 Moisture Meter

Measurement of Building / Wood Moisture



Application

- ▶ 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 Set facilitates on-the-spot measurement value verification
 - Adjustable alarm threshold

Technical data		
Resistance measurement wood	Range	approx. 0...40 %
	Needles	0.5", 10 kinds of wood
Dielectrical measurement (non destructive)	Effective depth	approx. 1.2"
	Alarm	3 color LED (green, yellow, red), adjustable limit
	Auto-Off-Function	adjustable
Operation conditions	0...104 °F, < 90 % r.H.	

Wohler HBF 420 Moisture Meter

Scope of delivery	Wohler HBF 420 Moisture Meter
	2 replacement electrodes
	4 batteries 1.5 V AAA
	Leather bag
	Article no. 8440

Accessories
p. 28 ff.



Buy now online!	
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Wohler HF 300 Wood Moisture Meter

Measurement of Firewood Moisture



Application

- ▶ Easy to use instrument for determination of wood moisture
- ▶ Depending on the kind of wood the needles can be pushed up to 0.2" into the log

Advantages

- ▶ Large, easy-to-read display
- ▶ Ready for immediate use
- ▶ Small, handy, ergonomic

Technical data

Range	5...40 %
Resolution	1 % Wood moisture
Operating temperature	41...104 °F
Relative Ambient Humidity	0...70 % r.H.

Wohler HF 300 Wood Moisture Meter

Scope of delivery	Wohler HF 300 Wood Moisture Meter	Article no.	7180
	1 pair of replacement pins		
	9V battery		
	Protective bag		

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Printer Article no.



Wohler TD 100 Thermal Fast Printer
Infrared printer with 1 roll thermal paper and 4 batteries

4160



Thermal Paper
for Wohler TD 100 Thermal Fast Printer
10 rolls / 2.24" width / 40' per roll

4145

Data management Article no.



PC-Software Wohler A 450
Languages EN / FR / IT / CZ / NL / CN
for online measurements, diagram functions and export to MS Excel

4499



PC-Software Wohler A 550
Languages EN / FR / IT / CZ
for online measurements, diagram functions and export to MS Excel

4428



Wohler A 450 / 550 App
Available for both Android and iOS devices!
The Wohler A 450 / 550 App is precisely what you need for your measuring and adjustment tasks.

free

Transport Cases / Carrying Systems Article no.



Plastic Case MIDI
for Wohler A 450 L

6594



Plastic Case MAXI
for Wohler A 450

4704



Backpack
for Wohler A 450 / 550

5101



Carrying Bag
for probes

1243

Power Supply Article no.



Charger
for Wohler A 450

5502

Accessories Combustion Analysis Article no.



Air Temperature Probe
with 5.5' cable

7" for Wohler A 450 / 550

11" for Wohler A 450 / 550

















5521








5511











Magnetic Holder
to stabilize the Air Temperature Probe

6142






Accessories Combustion Analysis	Article no.
 Air Temperature Probe Upgrade Set for Wohler A 450 / 550 probe 11" with 67" cable and clamping cone	7758
 Extension Cable for Wohler A 450 / 550 9.2' / for temperature probes	7772
 Flexible Probe for Wohler A 450 / 550 12"	3242
Gas Probe for Wohler A 550	
 5"	9652
 7"	9613
 11.6"	9622
 20"	9614
Flue Gas Probe for Wohler A 450 / 550	
 3"	9695
 3" with Sinter-Filter stainless steel	4189
 Velocity Probe Type S to measure gas velocity	5579
 Sinter-Filter stainless steel for Wohler A 550 INDUSTRIAL	4187
Hose Assembly	
5' for Wohler A 450	4476
10' for Wohler A 550	7179
Extension Cable Hoset	
5' for Wohler A 450 L / 450 triple hose assembly for larger boiler service	2045
9' for Wohler A 550 L / 550 double hose assembly for larger boiler service	2076
 Probe and Hose Assembly for Wohler A 450 triple hose assembly Probe 10" / Hose 5'	4498
Pitot Tube 0.3" dia.	
 39"	9489
 20"	9488
 Air Temperature Plug for Wohler A 450 / 550	5517
 Clamping Cone	2494







Accessories Combustion Analysis	Article no.
 Plastic Cone for Air Temperature Probe	2463
 Threaded Cone stainless steel for probes 0.3"	1235
Wadding Filter	
25 pcs.	4286
150 pcs.	4288
 Water Stop Filter 3 pcs.	9621
 Coarse Filter 5 pcs.	9632
 CHP Filter for Wohler A 550 CO measurements on combustion engines Also suitable for measurements on systems with high condensate levels or with particulate laden exhaust gases.	5523
 Filter granulate for CHP Filter 3.4 oz	4398
 USB Peltier Cooler for Wohler A 550 Portable Peltier Cooler with external mobile battery to remove condensate. Operational time up to 5 h. To be used for accurate SO ₂ or NO ₂ flue gas analysis. Scope of delivery: Wohler USB Peltier Cooler, USB connection cable 10', angle Adapter Peltier Cooler Please purchase a power bank at your local electronics supplier. We recommend a mobile battery with 10,000 mAh.	4463







Probes up to 2,192 °F	Article no.
 High Temperature Probe 3' for Wohler A 550 INDUSTRIAL for measurements in gases up to 2,192 °F with prefilter and bag	2291
 High Temperature Probe 3' for Wohler A 550 INDUSTRIAL for measurements in gases up to 2,192 °F	2936
 Probe Extension 3' for High Temperature Probe	2293
 Thermocouple 6' for High Temperature Probe to extend High Temperature Probe to 6'	6599
 Pre-Filter for High Temperature Probe inkl. filter and holder	2298
 Replacement-Filter for High Temperature Probe	2953

Probes up to 2,192 °F		Article no.
	Heat Protective Shield for High Temperature Probe	2966
	Safety Pins for High Temperature Probe to fix the sinter-filter 10 pcs.	11063

Sensors for self-installation for Wohler A 450 L / 450 / 550 L / 550 / 550 INDUSTRIAL		Article no.
O ₂ -Sensor 0...21 Vol. % for Wohler A 450 L / 450		8963
O ₂ -Sensor 0...21 Vol. % for Wohler A 550 / 550 INDUSTRIAL		5594
CO-Sensor 4,000 ppm for Wohler A 550		8166
CO-Sensor 5,000 ppm for Wohler A 450 L		8964
CO-Sensor 10,000 ppm for Wohler A 450		8967
CO-Sensor 10,000 ppm (H ₂ -compensated) for Wohler A 450		8966
CO-Sensor 35,000 ppm for Wohler A 550 L		4496
CO-Sensor 100,000 ppm for Wohler A 450 L		8965
CO _H -Sensor 100,000 ppm for Wohler A 550 / 550 INDUSTRIAL		5596
CO _N -Sensor 10,000 ppm (H ₂ -compensated) for Wohler A 550 / 550 INDUSTRIAL		11037
CO ₂ NDIR-Sensor 0...40 Vol. % for Wohler A 550 / 550 INDUSTRIAL		11011
NO-Sensor 1,000 ppm for Wohler A 550 / 550 INDUSTRIAL		5597
NO-Sensor 3,000 ppm for Wohler A 450 L / 450		8969
NO ₂ -Sensor 3,000 ppm for Wohler A 550 / 550 INDUSTRIAL		5598
SO ₂ -Sensor 5,000 ppm for Wohler A 550 / 550 INDUSTRIAL		5665
H ₂ S-Sensor 350 ppm for Wohler A 550 / 550 INDUSTRIAL		11014

Accessories Soot Testing		Article no.
	Probe Holder with Probe 9" for Wohler RP 72 includes spiral	7547
	Probe Connector for Wohler RP 72	3879
	Spiral for probe	20401
	Probe Brush 0.3" for Wohler RP 72	2419
	Comparison Scale from soot number 1 to 10	
	1 piece	2416
	2 pcs.	369

Accessories Soot Testing		Article no.
	Clamping Cone	2494
	Plastic Cone for Air Temperature Probe	2463
	Smoke Pump Filters	
	300 pcs.	2415
	1,800 pcs.	590
	Filter Paper Dispenser 300 pcs.	3700
	Wadding Rolls	
	short	
	25 pcs.	5289
	150 pcs.	5290
	long	
	50 pcs.	2450
	150 pcs.	621
	Special Servicing Oil	2418

Accessories Wood & Building Materials Moisture Measurement		Article no.
	Wood Moisture Probe for Wohler HF 550 / HBF 420 with connecting cable, 2 electrodes length 1.3", 2 electrodes length 2", protective cap tool for changing the electrodes is integrated in the probe; storage opportunity for the electrodes within the probe	2522
	Electrodes Hammer Probe for Wood Moisture Probe 8 electrodes 1.3" and 2 electrodes 2" / shank insulated, appropriate for precise depth measurement	2527
	Connection Cable Hammer Probe for Wood Moisture Probe length 55"	2525
	Wood Moisture Probe for Wohler HF 550	5513
	Replacement Pins for Wood Moisture Probe	
	2 pcs.	3661
	6 pairs of 2 pcs.	7181
	Wood Temperature Probe for Wohler HF 550	1567



Leakage and Pressure Measurement

Product Overview	35 – 36
Differential Pressure	37 – 38
Wohler DM 2000 Digital Manometer	37 – 38
Pressure and Flow	39
Wohler DC 410 ^{FLOW} Pressure Differential & Flow Meter	39
Leakage Testing	40 – 42
Wohler GS 300 Gas Sniffer	40
Wohler CM 220 Carbon Monoxide Meter	41
Wohler TI 410 Dewpoint Meter	42
Accessories	43 – 44
Accessories Differential Pressure	43
Accessories Pressure and Flow	43 – 44
Accessories Leakage Testing	44

Product Overview

Page

38



Wohler DM 2000
Digital Manometer

39



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

40



Wohler GS 300
Gas Sniffer

41



Wohler CM 220
Carbon Monoxide Meter

42



Wohler TI 410
Dewpoint Meter

Applications	38	39	40	41	42
Gas Detection			•		
Manifold and Differential Pressure	•	•			
Flow Measurement in ducts and chimneys		•			
Backdraft testing		•			•
CO Ambient				•	
Datalogger for pressure and temperature		•			
Sensor specifications					
Differential Pressure	±800 InWC	±40 InWC 0...400" FPS			
Temperature (internal / external)	external 0...212 °F	internal 0...150 °F external 0...1,472 °F			-40...212 °F
Humidity		0...100 % r.H.			
CO				999 ppm	
Methane / Propane			0...1,200 ppm		

• = included

Wohler DM 2000 Digital Manometer

Burner Adjustment on Gas Boilers



Application

- ▶ Fine tuning of burners (resolution 0.02 InWC)
- ▶ Draft measurement
- ▶ Differential pressure measurement
- ▶ Optional temperature measurement
- ▶ Contains all necessary parts for burner tuning and manifold pressure adjustment

Advantages

- ▶ Switch on – measure – finish
- ▶ Extra wide pressure range from 0.004...800 InWC
- ▶ Quick response time
- ▶ Easiest one button operation
- ▶ For a variety of all differential and manifold pressure applications

Technical data

Differential pressure	Range	±2 bar / ±800 InWC
	Accuracy	< 3 % from measuring, in range < ±0.60 InWC than ±6 Pa
	Resolution	±0.02 InWC
Temperature (external Si-PTC)	Range	0...212 °F
	Accuracy	better than 4 °F
	Resolution	0.1 °F



Wohler DM 2000 Digital Manometer Basic Set



Wohler DM 2000 Digital Manometer Professional Set

	Wohler DM 2000 Digital Manometer Basic Set	Wohler DM 2000 Digital Manometer Professional Set
Scope of delivery	Wohler DM 2000 Digital Manometer	•
	Hose 5"	•
	Rubber Boot	•
	Handloop	•
	Batteries (installed)	•
	Plastic Case	•
	Article no.	7006
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		wohlerusa.com/7335



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Accessories

p. 43 ff.

• = included

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

Adjustment and Acceptance Measurements



Application

- ▶ For measurement of pressure, air flow, temperature and relative humidity
- ▶ 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 color OLED display
- ▶ Technician friendly one hand operation with 4 button keypad
- ▶ Highly accurate with "no drift technology"
- ▶ Pressure resolution of 0.01 InWC
- ▶ 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	400 FPM
Temperature (internal sensor)	Range	0...150 °F
	Accuracy	±2 °F
	Resolution	0.1 °F
External Temperature Probe	Range	2 channels, 0...1,472 °F
	Accuracy	±1.5% o.r., absolute 4 °F
	Resolution	0.1 °F
Relative humidity	Range	0...100 % r.H., non condensing
	Accuracy	< ±2 % r.H., at 0...90 % r.H., otherwise < 3 % r.H.
	Resolution	0.1 % r.H.

Wohler DC 410 ^{FLOW} Pressure Differential & Flow Meter	
Scope of delivery	Wohler DC 410 ^{FLOW} Pressure Differential & Flow Meter
	2 Capillary hoses
	Rechargeable batteries
	Charger
	Plastic Case
	Article no. 9286

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Accessories

p. 43 ff.

Wohler GS 300 Gas Sniffer

Display in 12 Stages from 0 to 1,200 ppm



Application

- ▶ Highly sensitive and quick responsive
- ▶ Tightness control and leakage detection of gas lines carrying combustible gases

Advantages

- ▶ Acoustic signal and vibration alarm to display even the smallest leaks
- ▶ Display of gas concentration via bar graph in twelve levels from 0 to 1,200 ppm
- ▶ Perfect tool to control natural gas, as well as liquefied gas installations
- ▶ Additional LED lighting turns on automatically in dark places, to search for leaks in hard to reach spots (flashlight function)

Technical data		
Sensitivity	Methane	0...1,200 ppm
	Propane	0...1,200 ppm
Sensor	Semiconductor	
Alarm Function	audio, visual, and vibration alarm	
Warm-up time	approx. 60 sec.	
Response time	approx. 10 sec.	
Environmental Conditions	Operating Temperature	23...113 °F
	Storage Temperature	-4...113 °F
	Rel. Humidity	< 85 %
Auto-off Function	after 20 min.	
LC- Display	1.2 x 2"	
Flashlight	2 LEDs	
Connections	headphone and power supply unit	

Wohler GS 300 Gas Sniffer	
Scope of delivery	Wohler GS 300 Gas Sniffer
	Gooseneck 17"
	Batteries
	Plastic Case
	Article no. 7707



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Wohler CM 220 Carbon Monoxide Meter

Carbon monoxide measurement and air quality monitoring



Application

- ▶ Test CO leakage from furnaces, water heaters, stoves
- ▶ Measurement of CO concentration in the ambient air

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

Wohler CM 220 Carbon Monoxide Meter

Scope of delivery	Wohler CM 220 Carbon Monoxide Meter
	Handloop
	Batteries
	Belt bag
	Article no. 4486

Accessories
p. 43 ff.



Wohler TI 410 Dewpoint Meter

Control of Exhaust Gas back pressure in room air dependent gas fireplaces



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

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

Wohler TI 410 Dewpoint Meter

Scope of delivery	Wohler TI 410 Dewpoint Meter
	Flex arm 17"
	Batteries
	Protective bag for indicator
	Article no. 6808














Accessories
p. 43 ff.












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Printer		Article no.
	Wohler TD 100 Thermal Fast Printer Infrared printer with 1 roll thermal paper and 4 batteries	4160
	Thermal Paper for Wohler TD 100 Thermal Fast Printer 10 rolls / 2.24" width / 40' per roll	4145
Transport Case		Article no.
	Plastic Case MINI for Wohler DM 2000	7204
	Plastic Case MIDI for Wohler DC 4xx	9257
Accessories Differential Pressure		Article no.
	Rubber Boot with magnets	7202
	Combustion Air Temperature Probe 11" with 5' cable to analyze chimneys independent from ambient air	9611
	Air Temperature Probe plug form	9605
	Air Temperature Probe 4' cable	9651
	Handloop	9805
Accessories Pressure and Flow		Article no.
	Flexible Capillary 10" for Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} for installation through window and door rabbets during pressure drop testing between rooms and for the 4 Pa test with hose capillary 120" , hose connector, silicone hose	4515
	Surface Temperature Probe for Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 Thermocouple type K, with pliers for tube 0.2" - 1.4", measuring range up to 212 °F	6679
	Special Wall Temperature Probe Type W-02 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 for measuring the surface temperature of boilers, ceilings and walls, U-value determination etc., measuring range up to 212 °F	4651
	Special Wall Temperature Probe Type W-02 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 for measuring the surface temperature of boilers, ceilings and walls, U-value determination etc., measuring range up to 212 °F	4718

Accessories Pressure and Flow		Article no.
	Surface Temperature Probe TF1 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 932 °F	6625
	Surface Temperature Probe TF2 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 932 °F	6626
	Surface Temperature Probe TF3 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 932 °F	6628
	Penetration Temperature Probe TF4 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 1,112 °F	6629
	Flue Gas Temperature Probe TF5 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410 ^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 1,652 °F	6635
	S-Tube Probe for Wohler DC 410 ^{FLOW} <ul style="list-style-type: none"> for measuring the flow velocity in gaseous media temperature probe for automatic density correction for measuring openings from 0.3" good resolution of the flow velocity due to the favourable pitot factor of 0.93 	9244
	Pitot Tube 0.3" dia. 39" 9489 20" 9488 14" 9487	
	Telescopic Flow Probe for Wohler DC 410 ^{FLOW} Application: <ul style="list-style-type: none"> Air velocity and temperature measurement System measurement in rectangular ventilation ducts (Trivial method) Volumetric flow rate measurement in round ventilation ducts (Method of centroidal axis) 	1012
Accessories Leakage Testing		Article no.
	Headphone for Wohler GS 300 with volume control	55145



IAQ / Building Measurement

Product Overview	47 - 48
Measurement of Temperature / Humidity / Air Quality	49 - 21
Wohler DT 310 Differential Thermometer	49
Wohler CM 220 Carbon Monoxide Meter	50
Wohler IR Temp 310 Infrared Thermometer	51
Wohler IR Temp 210 Infrared Thermometer	52
Wohler IR Hygrotemp 24	53
Wohler RF 220 Hygrotemp	54
Wohler CDL 210 CO ₂ -Datalogger	55
Wohler KM 410 Indoor Air Quality Meter	56
Air Speed Measurement	57 - 58
Wohler FA 410 Fan Anemometer	57 - 58
Wohler FA 430 Fan Anemometer	57 - 58
Accessories	59 - 60
Accessories Measurement of Temperature / Humidity / Air Quality	59
Accessories Air Speed Measurement	60

Product Overview

Page	49	51	52	53	54	55	56	58
								
	Wohler DT 310 Differential Thermometer	Wohler IR Temp 310 Infrared Thermometer	Wohler IR Temp 210 Infrared Thermometer	Wohler IR Hygrotemp 24	Wohler RF 220 Hygrotemp	Wohler CDL 210 CO ₂ -Datalogger	Wohler KM 410 Indoor Air Quality Meter	Wohler FA 410 / 430 Fan Anemometer
Applications (depends on accessories)								
Air velocity / flow rate in ductwork								•
Differential temperature measurement, e.g. flow / return	•				•			
Evaluation of the efficiency of an air ventilation system						•	•	•
CO Ambient							•	
Air humidity management in rooms / air ducts				•	•	•	•	•
Surface temperature measurement	•	•	•	•				
Building material moisture measurement				•				
Detection of thermal bridges		•						
Measured variables / instrument technology								
Air velocity								•
Flowrate								•
Temperature	•	•	•	•	•	•	•	•
Air humidity		•		•	•	•	•	•
Dew Point / Wet bulb temperature		•		•			•	•
CO ₂ -Sensor						•	•	•
CO-Sensor							•	
Data-interface printer, PC				•	•	•	•	
Datalogger						•	•	
PC-Software				•		•	•	

• = included

Wohler DT 310 Differential Thermometer

Surface Temperature Measurement on Water and Exhaust Pipes



Application

- ▶ Simple measurement of differential temperature
- ▶ Temperature measurement of flow and return surface temperature of water and exhaust pipes


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	9V Block battery		
Humidity	0...85 % RH (not condensing)		
Operating temperature	0...120 °F		

Wohler DT 310 Differential Thermometer

Scope of delivery	Wohler DT 310 Differential Thermometer
	2 Surface Probes (type K)
	Battery
	Plastic Case
	Article no. 6622

Accessories 
p. 59

Wohler CM 220 Carbon Monoxide Meter

Carbon monoxide measurement and air quality monitoring



Application

- ▶ Test CO leakage from furnaces, water heaters, stoves
- ▶ Measurement of CO concentration in the ambient air


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

Wohler CM 220 Carbon Monoxide Meter


Scope of delivery	Wohler CM 220 Carbon Monoxide Meter
	Handloop
	Batteries
	Belt bag
	Article no. 4486

Accessories 
p. 59



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Wohler IR Temp 310 Infrared Thermometer

Non-contact temperature measurement



Application

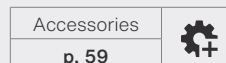
- ▶ Multifunctional infrared thermometer
 - Easy detection of thermal bridges
 - Assessment of the mold growth potential
 - Assessment of the indoor climate
- ▶ Thermal bridge search with colored display of temperature curve

Advantages

- ▶ Display of surface and dew point temperature with indication of the mould risk potential
- ▶ Adjustable temperature limits with acoustic, visual and haptic alarm
- ▶ External temperature sensor can be connected (e.g. surface temperature sensor, temperature sensor for determination of the specific emission factor)
- ▶ Display of relative humidity and wet & dry bulb temperature
- ▶ Measuring range visualization by laser measurement circle
- ▶ Storage of 50 data sets (including emission factor)

Technical data	
Range	-76...1,022 °F
Accuracy	±1.8 °F, ±1 % f.m.
Resolution	0.1 °F
Reaction time	1 sec.
Emission factor	0.1...1 adjustable
Supply	2 x 1.5V battery

Wohler IR Temp 310 Infrared Thermometer	
Scope of delivery	Wohler IR Temp 310 Infrared Thermometer Batteries
Article no.	1388



Accessories
p. 59

Wohler IR Temp 210 Infrared Thermometer

Detection of thermal bridges

Application

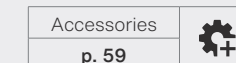
- ▶ Non-contact temperature measurement of surfaces

Advantages

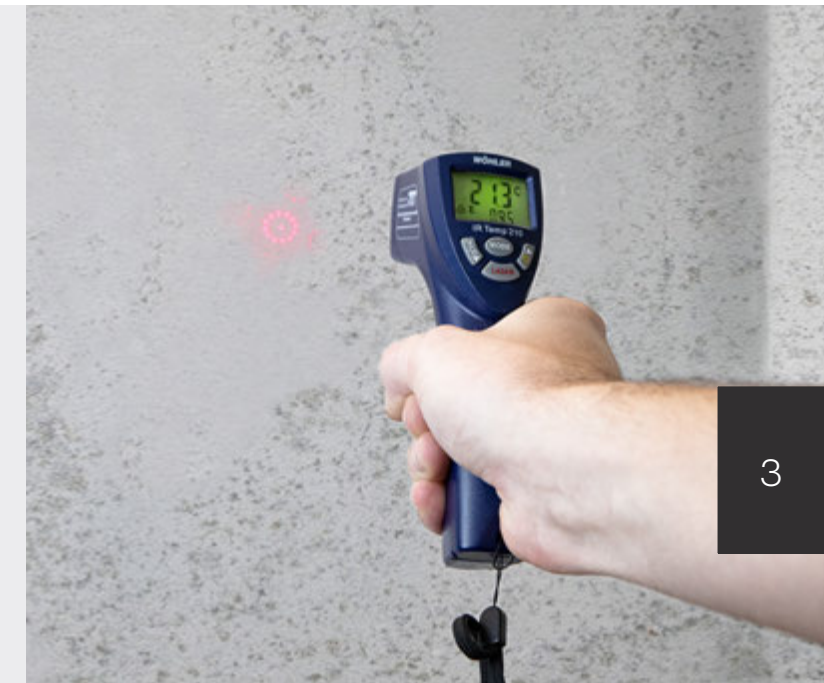
- ▶ Detection of heat sinks
- ▶ Measurement focus ratio diameter: 10:1
- ▶ Laser-pointer
- ▶ Back light
- ▶ Adjustable emission factor
- ▶ Quick response time

Technical data	
Range	-40...932 °F
Accuracy	±2 °F, ±2 % f.m.
Resolution	0.1 °F
Reaction time	500 msec.
Display	LCD, 3 figure
Emission factor	0.30...0.99 adjustable
Supply	9V battery

Wohler IR Temp 210 Infrared Thermometer	
Scope of delivery	Wohler IR Temp 210 Infrared Thermometer Batteries Hand loop
Article no.	6612



Accessories
p. 59



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Wohler IR Hygrotemp 24

Building Damage Analysis



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 ±37.4 °F
	Resolution	0.1 °F
Response time	500 msec.	
Ratio	8:1	
Humidity	Range	0...100 % (not condensing) ±3 % at 10...90 % rest ±5 %
	Resolution	0.1 %
Wet bulb temperature	-8...122 °F	
Emission factor	0.30...0.99 adjustable	
Display	3 line LCD	
Supply	4 x 1.5V micro battery	

Wohler IR Hygrotemp 24	
Scope of delivery	Wohler IR Hygrotemp 24 Battery Plastic Case
Article no.	6603

Accessories 
p. 59

Wohler RF 220 Hygrotemp

Determination of the Room Air Humidity in Living Spaces / Workplaces / Air Ducts



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

- ▶ Hold function
- ▶ Min / max / average memory
- ▶ Display lighting

Technical data		
Range	Rel. Humidity	0...99 % r.H.
	Temperature	50...140 °F
	Dew point	-148...139.82 °F
	Wet bulb temp.	273.2...~139.82 °F
Accuracy	Rel. Humidity	±3 % r.H. (10...90 %) otherwise ±5 % r.H.
	Temperature	±1 °F
Storage temperature	-4...140 °F	
Operating temperature	32...122 °F	

Wohler RF 220 Hygrotemp	
Scope of delivery	Wohler RF 220 Hygrotemp Probe Telescope tube 4 x AAA batteries Plastic Case
Article no.	6615

Accessories 
p. 59

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Wohler CDL 210 CO₂-Datalogger

Assessment of Indoor Air Quality



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

Technical data		
CO ₂ -Measurement	Range	0...2,000 ppm
	Resolution	1 ppm
	Accuracy	±50 ppm ±5 %
°C-Measurement	Range	14...140 °F
	Resolution	0.1 °F
	Accuracy	±0.9 °F
Rel. air humidity	Range	5...95 % r.H.
	Resolution	0.1 % r.H.
	Accuracy	10...90 %, 77 °F ±3 % r.H. otherwise ±5 % r.H.
List of measurement	Readings	5,300 total
	Logrates	3 / 10 / 30 sec. 1 / 3 / 10 / 30 min. 1 / 3 / 4 h.

Wohler CDL 210 CO ₂ -Datalogger	
Scope of delivery	Wohler CDL 210 CO ₂ -Datalogger
	Data cable
	Power supply
	PC Software
	Article no. 6648

Accessories 
p. 59

Wohler KM 410 Indoor Air Quality Meter

Assessment of Indoor Air Quality



Application

- ▶ Verifying HVAC system performance and air ventilation control
- ▶ It measures:
 - CO₂-content
 - Air temperature / 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		
CO ₂ -Measurement	Range	0...5,000 ppm
	Resolution	1 ppm
	Accuracy	±30 ppm ±5 %
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
Temperature	Range	-4...140 °F
	Resolution	0.1 °F
	Accuracy	±3.9 °F
Rel. air humidity	Range	0.1...99.9 % r.H.
	Resolution	0,1 % r.H.
	Accuracy	±3 % at 10...90 % r.H. and 170.6 °F, ±5 % r.H. at other readings and 170.6 °F

Wohler KM 410 Indoor Air Quality Meter	
Scope of delivery	Wohler KM 410 Indoor Air Quality Meter
	Manual
	USB Data cable
	4 x AAA batteries
	PC Software
	Plastic Case
	Article no. 4280

Accessories 
p. 59

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Wohler FA 410 / 430 Fan Anemometer

Volume Flow Measurement and Air Quality



Application

- ▶ Direct volume flow measurement on air diffusers in connection with the measuring funnel
- ▶ Measurement of air speed, temperature, humidity and CO₂ content at the air outlet
- ▶ Integrated calculation of the volume flow from surface and Loop measurement speed

Advantages

- ▶ Two measurements in one step: Determination of volume flow and assessment of supply and exhaust air quality via T / r.H. / CO₂ (Wohler FA 430)
- ▶ Measurement protocol via IR transmission to thermal printer
- ▶ Parallel measurement of flow velocity, volume flow, air temperature, relative humidity and CO₂ value, wet bulb temperature and dew point
- ▶ Optional with swirl rectifier for measurements on swirl diffusers

Technical data

Range	Flow velocity	0.5...30 m/s
	Volume flow	0...99,999 m ³ /h
	Temperature	-4...120 °F
	Relative humidity	0.1...99.9 %
	Dew point	-4...139.82 °F
	Wet-bulb temperature	-4...139.82 °F
	CO ₂	0...9,999 ppm
Resolution	Flow velocity	0.1 m/s
	Volume flow	0.1 (0...9,999.9) or 1 (10,000...99,999)
	Temperature	0.1 °F
	Relative humidity	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)

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Accessories

p. 60



	Wohler FA 410 Fan Anemometer Basic Set	Wohler FA 410 Fan Anemometer Measuring funnel set
Scope of delivery	Wohler FA 410 Fan Anemometer	•
	4 x AAA batteries	•
	Plastic Case	•
	Handy carrying bag (funnels can be clipped onto the fan anemometer)	•
	Rectangular funnel 13.62" x 13.62"	•
	Round funnel 8.3"	•
	Article no.	4146
	Buy now online!	wohlerusa.com/4146











	Wohler FA 430 Fan Anemometer incl. CO ₂ -Measurement Basic Set	Wohler FA 430 Fan Anemometer incl. CO ₂ -Measurement Measuring funnel set
Scope of delivery	Wohler FA 430 Fan Anemometer	•
	4 x AAA batteries	•
	Plastic Case	•
	Handy carrying bag (funnels can be clipped onto the fan anemometer)	•
	Rectangular funnel 13.62" x 13.62"	•
	Round funnel 8.3"	•
	Article no.	4147
	Buy now online!	wohlerusa.com/4147





• = included



Wohler FA 4xx App

Via Bluetooth®, the measured values can be sent to mobile devices and further processed via app. – The smartphone thus serves as a remote control.

Accessories Measurement of Temperature / Humidity / Air Quality	Article no.
 <p>Surface Temperature Probe for Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 Thermocouple type K, with pliers for tube 0.2" – 1.4", measuring range up to 212 °F</p>	6679
 <p>Special Wall Temperature Probe Type W-02 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 for measuring the surface temperature of boilers, ceilings and walls, U-value determination etc., measuring range up to 212 °F</p>	4651
 <p>Surface Temperature Probe TF1 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 932 °F</p>	6625
 <p>Surface Temperature Probe TF2 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 932 °F</p>	6626
 <p>Surface Temperature Probe TF3 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 932 °F</p>	6628
 <p>Penetration Temperature Probe TF4 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 1,112 °F</p>	6629
 <p>Flue Gas Temperature Probe TF5 for probes Wohler A 400 / 450 / 500 / 550 / 600 / DC 410^{FLOW} / DT 310 Thermocouple type K, measuring range up to max. 1,652 °F</p>	6635
 <p>Calibration Set for Wohler RF 220 / KM 410 33 % and 75 % humidity reference</p>	6605

Accessories Air Speed Measurement	Article no.
 <p>Wohler FA 410/430 Funnel Set to plug on the Fan Anemometer Scope of delivery: 1 square funnel 13.6" x 13.6" mm, 1 round funnel 8.3" , transport bag</p>	4148
 <p>Wohler FA 410/430 Funnel to plug on the Fan Anemometer Scope of delivery: 1 square funnel 13.6" x 13.6" mm, Swirl rectifier, transport bag</p>	4164
 <p>Telescopic-rod for Wohler FA 410/430 for comfortable measurement e.g. at ceiling diffusers 1.8" / 26" – 70"</p>	4684
 <p>Telescope Set for Wohler FA 410/430 Scope of delivery: Telescopic-rod, Universal Smartphone Holder, Funnel Holder</p>	6849



HD Visual Inspection

Product Overview	63 – 64
HD Inspection Technology	65 – 70
Wohler VIS 700 HD Inspection Camera – Push Rod Camera	65 – 70
Wohler VIS 700 HD Inspection Camera – Cable Camera Chimney	65 – 70
HD Endoscopy	71 – 72
Wohler VE 400 HD Video Endoscope	71
Wohler VE 200 HD Video Endoscope	72
Accessories	73 – 76
Wohler L 200 Locator	73
Wohler VIS Camera Trolley	74
Accessories HD Inspection Technology	75
Accessories Telescopic Inspection	76
Accessories HD Endoscopy	76

Product Overview

Page

69



**Wohler VIS 700
HD Inspection Camera
Push Rod Camera**

70



**Wohler VIS 700
HD Inspection Camera
Cable Camera Chimney**

71



**Wohler VE 400
HD Video Endoscope**

72



**Wohler VE 200
HD Video Endoscope**

Applications		Wohler VIS 700 HD Inspection Camera Push Rod Camera	Wohler VIS 700 HD Inspection Camera Cable Camera Chimney	Wohler VE 400 HD Video Endoscope	Wohler VE 200 HD Video Endoscope
Dry environments e.g. Flue Gas Systems	3" dia. or larger	•	•		
	2" dia. or larger	•	•	•	•
	1.5" dia. or larger	•	•	•	•
	0.24"...1.5" dia.			•	•
Wet environments e.g. Waste Water Pipes	2.75" dia. or larger	•	• from top to down		
	1.5"...2.75" dia.			•	•
	1.5" dia. or larger	•		•	•
Twin walls, cavities, ducts	•	• from top	•	•	
Operation features					
Camera heads		1" / 1.5"	1" / 1.5"	0.15" / 0.22" / 0.99"	0.15" / 0.22" / 0.33" / 0.99"
Focus	electronically adjustable focus range	•	•		
Quick Keys	Photo, Video and Focus	•	•		
Live image transmission via Wireless LAN		•	•		•
Documentation	damage descriptions via touch screen and recording of voice recording	•	•		
DM = digital distance counter (resolution > 1")		•			
MC = cable with length marking			•		
Locating the camera head with Wohler L 200 Locator		•	•		
Centering of the pan- and tiltable camera head (home function)		•	•		
SD and USB storage		•	•		
Video memory		SD Card 32 GB	SD Card 32 GB	Micro-SD Card 32 GB	device dependent

• = included

Wohler VIS 700 HD Inspection Camera

Visual Inspection of Drain Pipes / Ventilation Lines / Exhaust Pipes



Application

Analyze damage and inspect:

- ▶ House connection pipes up to 8"
- ▶ NDT applications
- ▶ Flue gas systems of 2.5" and larger
- ▶ Ventilation system ductwork
- ▶ False ceilings, hollow spaces, shafts
- ▶ Industrial machines / plant
- ▶ Waste water lines of 2.5" and larger
- ▶ Inspection of smaller pipes with optional miniature camera head (IP 68)

Advantages

- ▶ Photos and videos with HD image quality
- ▶ 7" HD color touchscreen with adjustable focus via joystick / touch screen
- ▶ Built-in radio transmitter with adjustable locator frequency
- ▶ On screen keyboard for typing comments / descriptions to photos
- ▶ Convenient option for remote control of the camera head and video streaming via free Wohler VIS 700 App

Technical data

Monitor	TFT display	7" / 16:9 format
	Resolution	1,280 x 800 px
	Battery operating time	4 h (battery status in display)
Wohler HD pan- and tiltable camera head 1.5", detachable	Focus distance	1" .. ∞
	Resolution	1,280 x 720 px
	Protection	waterproof to IP 67
	Dimensions	1.5" dia. x 2.4"
Wohler HD miniature camera head 1", detachable	Focus distance	Fixed focus
	Resolution	1,280 x 720 px
	Protection	waterproof to IP 68
	Dimensions	1" dia. x 1.5"
Transmission Frequency Locator	512 Hz / 8.9 kHz / 9.2 kHz	
	Camera rod	Length

Product selection
p. 69 – 70

Accessories
p. 73 ff.



Razor sharp pictures in HD-quality, clear menu and comfortable to hold.



Precise location of the camera head with the Wohler L 200 Locator.



Secure drain inspection with the waterproof camera head.



Inspection of flue gas lines from 2": easily negotiates tight bends of 87°.

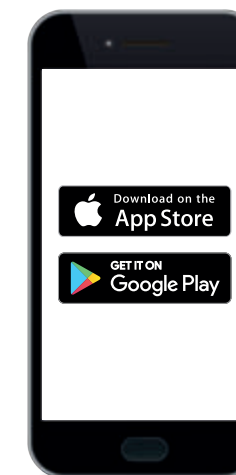


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Fast cleaning for lasting hygiene: Wash the case and the push rod with water.



Wohler VIS 700 App

1 camera – 2 displays with the Wohler VIS 700 App

The monitor image can be sent to mobile devices via Wireless LAN and further processed via app.

The free Wohler VIS 700 app allows camera control and video streaming on your smartphone / tablet. It can't get much more comfortable.



Overview of functions

HD Inspection

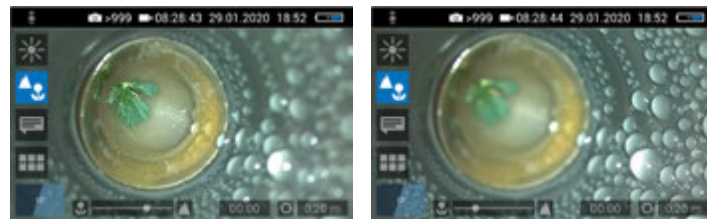
Digital pictures and a high resolution monitor provide an absolutely clear image.

Flexible Operation

The monitor can be fixed to the case in two different positions. The screen can be operated by touch or by joystick. The monitor is tiltable and removable.

Individual Control of Sharpness

The adjustable focus allows the depth of field to be precisely controlled. This motorized focus can be adjusted via touch screen, joystick or app.



long-distance range

close range

Comments & Voice Notes

A comments function allows you to add descriptions to captured photos. It is also possible to add voice notes to video footage.

Position and angle display

The digital distance counter and angle display always lets you know in which position the camera head is. The length of unwound cable is sensed electronically and displayed for pinpoint localization. The "Home" function automatically aligns the camera head straight forward so you never lose your orientation in the pipe.

Easy to clean and a lot of space for accessories

The push rod can be cleaned quickly thanks to the easily removable top shell. Moreover, the twinwall hard case also protects the camera head and the monitor.



Hand-held

Adjustable to individual requirements, reliable grip when operating the monitor.



Anti-glare protection

The anti-glare protection is stored in the case. If necessary it will be fixed to the monitor.

Wireless operation & video streaming via app

Comfortable remote operation of the camera head including live video transmission – simply from your smartphone or tablet.

Powerful Lithium-ion rechargeable battery

With a respective operating battery life of 4 hours – high speed charging via the latest USB standard (USB-C connection).

USB stick & SD Card slot

Save your pictures and videos directly to the SD Card or an USB stick.

HD pan- and tiltable camera head 1.5", detachable

Pans through 360° and tilts 180° from left to right. Precisely adjustable depth of focus.

Durable Camera Rod

The flexible and durable 100' push rod can easily master several bends.



		Wohler VIS 700 HD Inspection Camera Push Rod Camera	Wohler VIS 700 PLUS HD Inspection Camera Push Rod Camera	Wohler VIS 700 HD Inspection Camera Cable Camera Chimney Set
Scope of delivery	Wohler VIS 700 Monitor with 7" HD TFT-broad band color monitor incl. 5' connection cable	•	•	
	Wohler VIS 700 Monitor with 7" HD TFT-broad band color monitor			•
	Glare shield	•	•	•
	Lithium-ion rechargeable battery	•	•	•
	Wohler HD miniature camera head 1", detachable		•	
	Wohler HD pan- and tiltable camera head 1.5", detachable	•	•	•
	SD Card 32 GB	•	•	•
	Camera rod 0.34" x 0.22" – 100' long	•	•	
	Camera cable 66' with metric marking			•
	3 replacement plastic domes	•	•	•
	Anti-slide mat	•	•	
	USB charger with USB-C cable	•	•	•
	Plastic Case	•	•	
	Maxi Case			•
	Carrying strap			•
	Guidance sleeve		•	
	Guidance sleeve with protection cage		•	
Camera holder			•	
Article no.		7082	7498	7459
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Accessories
p. 73 ff.



Wohler VE 400 HD Video Endoscope

HD Inspection of Inaccessible Cavities



Application

HD inspection:

- ▶ Inaccessible cavities through smallest openings from 0.16" (e.g. tile cross)
- ▶ Pre-wall installations, sinks, drain pipes
- ▶ Fireplaces, combustion chambers, connectors
- ▶ Inspection openings and fire dampers

Advantages

- ▶ Large 5" HD colour monitor
- ▶ HD Videoscope Waterproof Probes
- ▶ Image rotation
- ▶ Image and video recording on Micro-SD Card
- ▶ Additional lamp on the unit with 4 LEDs to illuminate the inspection area
- ▶ 0.15" probe for smallest inspection openings
- ▶ Switchable 0° /90° straight line /side view probe 0.22"
- ▶ Probe length up to 10' (see accessories)

Technical data		
Monitor	Display	5"
	Resolution	1,280 x 720 px
	Interfaces	Micro-USB-Data-/charging connection Micro-SD Card slot
HD Probe camerahead	Protection	Waterproof to IP 67
File formats	Image format	JPG
	Video format	MP4
Power supply	3,500 mAh Lithium-ion rechargeable battery	
Operating time	4 h	

Wohler VE 400 HD Video Endoscope	
Scope of delivery	Wohler VE 400 HD Video Endoscope
	HD Probe 0.22" /3' with 0° /90° view
	HD Probe 0.15" /3' with 0° view
	Lithium-Ion battery
	Micro-SD Card 32 GB
	Micro-USB charger
	Video endoscope connection cable 4'
	Plastic Case
	Article no. 6920



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Accessories

p. 76

Wohler VE 200 HD Video Endoscope

HD Inspection of Inaccessible Cavities



Application

HD inspection:

- ▶ Inaccessible cavities through smallest openings from 0.24" (e.g. tile cross)
- ▶ Pre-wall installations, sinks, drain pipes
- ▶ Fireplaces, combustion chambers, connectors
- ▶ Inspection openings and fire dampers

Advantages

- ▶ Transmission of image and video data via Wireless LAN to Smartphone, laptop, tablet, PC
- ▶ Can be used simultaneously on several devices
- ▶ Direct forwarding of pictures and videos via "Share function" of the smartphone/tablet
- ▶ Image and video recording
- ▶ Switchable hand lamp
- ▶ Compatible with Android/iOS
- ▶ Probe length up to 10' (see accessories)

Technical data		
Signal transmission	Wireless LAN Network Standard	IEEE 802.11 b/g/n
	Data transmission rate wireless card with 802.11 a/b/g/n	up to 150 Mbit/s
HD Probe camerahead	Protection	Waterproof to IP 67
File formats	Image format	JPG
	Video format	AVI
Power supply	4 AA batteries	

Wohler VE 200 HD Video Endoscope	
Scope of delivery	Wohler VE 200 HD Video Endoscope
	HD Probe 0.33" /4'
	HD Probe 0.22" /3.3'
	Side tip mirror
	Magnet
	Hook tool
	Batteries
	Plastic Case
	Article no. 7792



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Accessories

p. 76

Wohler L 200 Locator

Exact Localization of the Camera Head



Application

- ▶ Exact localization of the camera head in pipelines, chimneys, floor or ceiling areas etc.
- ▶ Acoustic signal for orientation via loudspeaker or headphones
- ▶ Crosshairs and signal strength indicate how far away and in which direction the camera head is located
- ▶ Quick detection of damaged areas with the camera heads 1" /1.5"

Advantages

- ▶ Locating the radio signals of the camera head enables the damage site to be found quickly
- ▶ Bright, easy to read color display
- ▶ Easy handling thanks to spatial guidance via the display during locating
- ▶ Telescopic pole enables the detection of the damaged areas without any problems and everywhere
- ▶ Chalk holder enables the direct marking of the damaged areas

Technical data		
Locator Receiver	Display	Graphical display of the camera head position
Output impedance headphones	32 Ohm	
Power supply	Lithium-ion rechargeable battery	
Frequency	8.9 / 9.2 kHz	

Wohler L 200 Locator	
Scope of delivery	Wohler L 200 Locator
	Telescopic rod
	Headphones
	USB power supply with Micro-USB cable
	Chalk (12 pcs. box, yellow)
	Plastic Case
	Article no. 7430



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Wohler VIS Camera Trolley

Optimal guidance of the camera head



Application

Optimal guiding of the camera head:

- ▶ In ventilation lines from 6" /0.5' x 0.5'
- ▶ In drain pipes from 6" /0.5' x 0.5'
- ▶ In drawn chimneys from 60" /0.5' x 0.5'

Advantages


- ▶ Suitable for:
 - All Wohler VIS camera heads (1" /1.5")
 - Various accessories such as additional lighting, stabilising sleeve and dome protection
- ▶ Plastic wheels ensure optimum guidance in round and flat lines
- ▶ With the help of the adjustment rail, the camera trolley can be adjusted in three heights and placed backwards or forwards in 3 steps
- ▶ Camera head can be mounted on the trolley or suspended underneath it
- ▶ Rugged body is made of corrosion and acid resistant stainless steel and is still 1.5 lb light

















Wohler VIS Camera Trolley	
Scope of delivery	Wohler VIS Camera Trolley
	Camera head holder
	Storage bag
	Article no. 4705






Wohler VIS Camera Trolley Set	
Scope of delivery	Wohler VIS Camera Trolley
	Camera head holder
	Storage bag
	Stabilization sleeve for light ring
	Article no. 4753











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Data management		Article no.
	Wohler VIS 700 App Available for both Android and iOS devices! The Wohler VIS 700 App allows camera control and video streaming on your smartphone / tablet.	free

Accessories HD Inspection Technology		Article no.
	Wohler HD miniature camera head 1" for Wohler VIS 700 detachable, digital, color, with leather protection bag	7613
	Wohler HD pan- and tiltable camera head 1.5" for Wohler VIS 700 detachable, digital, color, with leather protection bag	8859
	Wohler Light Ring 1" / 1.5" HD for HD camera heads 1" / 1.5" light ring with 18 white LEDs, outer 2.1", detachable	8818
	USB-C Power Supply for Wohler VIS 700	62099
	Guidance Set 70 for camera head 1" guidance sleeve with protection cage and centering star	3883
	Guidance Set 100 for camera head 1.5" protection sleeve with cut-out, roller guide and centering star	4240
	Camera holder for camera head 1.5"	7068
	Plastic Arms 2" x 16" POM for camera holder	21141
	Protection Sleeve for camera head 1.5"	2641
	Guidance Sleeve with protection cage for camera head 1"	3847
	Guidance Sleeve for camera head 1"	3827
	Replacement Polycarbonate Dome for camera head 1.5" 10 pcs.	3675
	Glass Dome for camera head 1.5"	3674
	Camera Roller Guide for camera heads and push rods	3681
	Centering Brush for camera heads	3850
	Guidance Ball for camera heads and push rods	3634

Accessories Telescopic Inspection		Article no.
	Camera cable for Wohler VIS 700 incl. metric marking 66'	6305
	Camera cable extension for Wohler VIS 700 incl. metric marking 33'	11425
	66'	11426
	99'	11427
	Wohler Telescopic Pole with flexible 1' gooseneck for Wohler VIS 700 Length of telescopic pole 3 to 5' plus gooseneck	7670
	Length of telescopic pole 3 to 11' plus gooseneck	7659

Accessories HD Endoscopy		Article no.
	HD Probe for Wohler VE 400 0.15" / 3'	6929
	for Wohler VE 400 1" / 10' for waste water / exhaust pipes from 1.5", with roller guide	6911
	for Wohler VE 400 0.22" / 3' with 0° / 90° view	6928
	for Wohler VE 400 0.22" / 10' with 0° / 90° view	6912
	for Wohler VE 200 0.33" / 6.5'	8777
	for Wohler VE 200 0.4" / 10' for waste water/exhaust pipes from 0.6", also water-bearing	7724
	Video-Endoscope connection cable for Wohler VE 400 flexible extension cable between HD Video Endoscopes and probes	6931
	Protection Bag for Wohler VE 200 / 400 and probes	6914



Visual Inspection

Product Overview	79 – 80
Inspection Technology	81 – 92
Wohler VIS 200 / 250 Inspection Camera	81 – 84
Wohler VIS 350 Inspection Camera	85 – 88
Wohler VIS 400 Inspection System	89 – 92
Visual Inspection	93 – 94
Wohler Chimney Mirror	93
Wohler Glass Mirror	94
Accessories	95 – 98
Wohler L 200 Locator	95
Wohler VIS Camera Trolley	96
Accessories Inspection Technology	97 – 98
Accessories Telescopic Inspection	98

Product Overview

Page

83 – 84



**Wohler VIS 200 / 250
Inspection Camera**

87 – 88



**Wohler VIS 350
Inspection Camera**

91 – 92



**Wohler VIS 400
Inspection System**

Applications		Wohler VIS 200 / 250 Inspection Camera	Wohler VIS 350 Inspection Camera	Wohler VIS 400 Inspection System
Dry environments e.g. Flue Gas Systems	3" dia. or larger		•	•
	2" dia. or larger	•	•	•
	1.5" dia. or larger	•	• (VIS 350 PLUS)	•
	0.4"...1.5" dia.			
Wet environments e.g. Waste Water Pipes	2" dia. or larger	•	•	•
	1.5"...2.35" dia.			
	1.5" dia. or larger	•	• (VIS 350 PLUS)	•
	0.4"...1.5" dia.			
Twin walls, cavities, ducts			•	•
Operation features				
Camera heads		1"	1.5" (1" optional)	1.5"
Photo and video memory		SD Card 4 GB	SD Card 4 GB	SD Card 4 GB
DM = digital distance counter (resolution > 1")		•	•	•
Video Output (RCA)		•	•	•
Built-in transmitter for localization (8.9 kHz) with Wohler L 200 Locator		•	•	•
Audio recording		•	•	•

• = included

Wohler VIS 200 / 250 Inspection Camera

Visual Inspection of Drain Pipes / Ventilation Lines / Exhaust Pipes



Application

Analyze damage and inspect:

- ▶ Waste water pipes of 1.5" and larger
- ▶ Ventilation lines of 1.5" and larger
- ▶ Inspect hollow spaces, e.g. in front-wall installations
- ▶ Flue gas lines up to approx. 6"

Advantages

- ▶ Waterproof, light-sensitive camera head with a diameter of just 1" easily takes several bends
- ▶ Distance counter displayed on monitor
- ▶ Fully equipped mobile solution in a robust, plastic case
- ▶ Bright TFT color monitor for razor-sharp images
- ▶ Tiltable and removable monitor
- ▶ Integrated video output for documentation purposes
- ▶ Data exchange via Mini-USB cable

Technical data

Monitor	TFT display	7" / 16:9 format
	Video-Out	RCA signal
Power Supply	Space for 2 rechargeable batteries or via power supply unit	
	Battery operating time	2 h (battery status in display)
Wohler miniature camera head 1", detachable	Viewing angle	145°
	Resolution	768 x 576 px
	Protection	waterproof to IP 68
	Dimensions	1" dia. x 1.5"
	Transmission Frequency Locator	9.2 / 8.9 kHz / 512 Hz
	Push rod	Length
Distance measurement	Diameter	0.26"
	Electronic distance counter	

Product selection
p. 83 - 84

Accessories
p. 95 ff.



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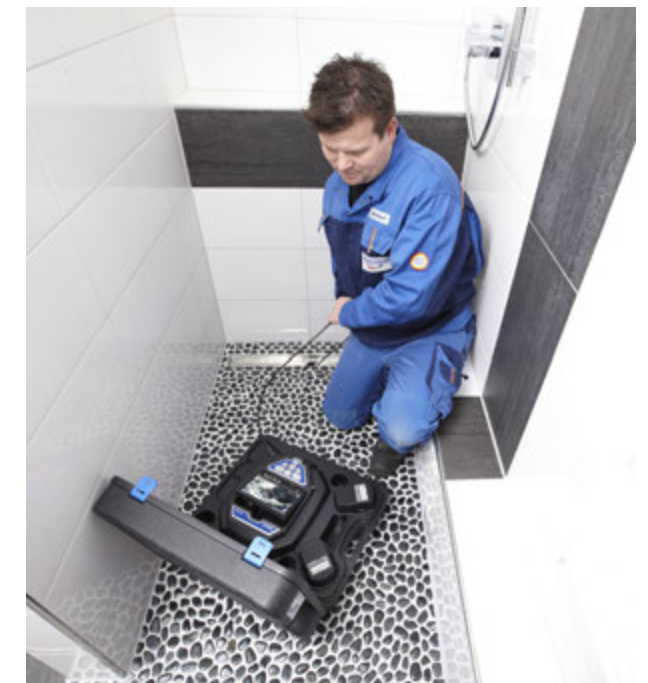
The robust color camera head is waterproof to IP 68 rating. With a diameter of just 1" it easily negotiates bends in pipes of 1.5" and larger.



The actual distance count and the position of the head are displayed in the monitor. The Wohler L 200 Locator makes it possible to locate the camera head.



The Wohler VIS 200 series camera is a valuable tool in a wide range of applications including the analysis of flue gas installations.



Wohler's camera system is both compact and safely stored in a plastic case for transport and mobility.



	Wohler VIS 200 Inspection Camera	Wohler VIS 200 Inspection Camera	Wohler VIS 250 Inspection Camera	Wohler VIS 250 Inspection Camera
Scope of delivery	Wohler VIS 200 Inspection Camera with electronic distance counter	Wohler VIS 200 Inspection Camera with electronic distance counter	Wohler VIS 250 Inspection Camera with electronic distance counter	Wohler VIS 250 Inspection Camera with electronic distance counter
	•	•	•	•
Plastic Case	•	•	•	•
Anti-slide mat	•	•	•	•
Wohler miniature camera head 1", fixed	•	•	•	•
7" TFT color monitor with 6' connection cable (removable monitor)	•	•	•	•
100' push rod 0.26"	•	•	•	•
1 NiMH battery with charger	•	•	•	•
Guidance sleeve	•	•	•	•
Guidance ball	•	•	•	•
Wohler L 200 Locator		•		•
SD Card 4 GB and Mini-USB cable			•	•
Article no.	6261	8937	6253	8932
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Accessories
p. 95 ff.



Wohler VIS 350 Inspection Camera

Visual Inspection of Drain Pipes / Ventilation Lines / Exhaust Pipes



Application

- Locate, analyze damage and inspect:
- ▶ Waste water lines of 2.5" and larger
 - ▶ House connections up to 8"
 - ▶ Flue gas systems of 2" and larger
 - ▶ Ventilation lines of ventilation systems
 - ▶ False ceilings, hollow spaces, shafts

Advantages

- ▶ Waterproof rotatable and tiltable camera head 1.5"
- ▶ Waterproof camera head 1" (optional)
- ▶ Electronic distance counter and integrated transmitter for the localization of damaged areas
- ▶ Position and angle of the camera head in the display
- ▶ Large variety of applications due to quickly exchangeable camera heads

Technical data

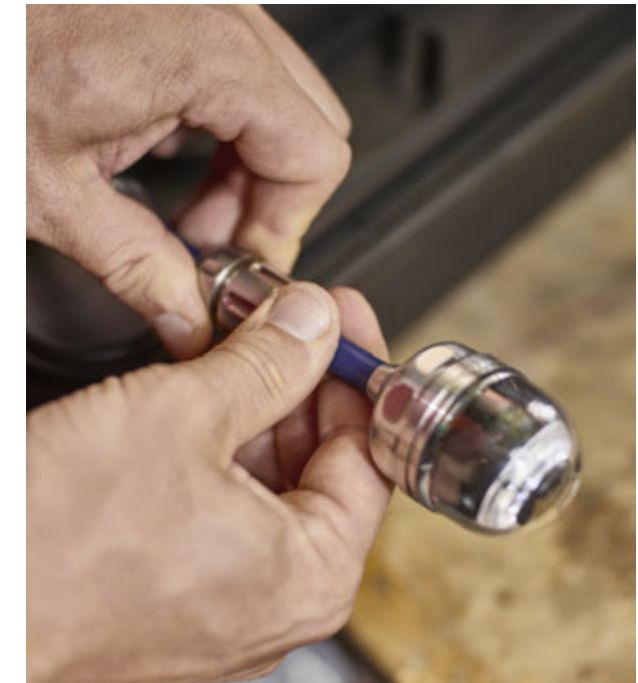
Monitor	TFT display	7" / 16:9 format
	Video-Out	RCA signal
	Power Supply	Space for 2 rechargeable batteries or via power supply unit
Wohler pan- and tiltable camera head 1.5", detachable	Battery operating time	4 h (battery status in display)
	Viewing angle	130°
	Resolution	768 x 576 px
	Protection	waterproof to IP 67
	Dimensions	1.5" dia. x 2.4"
Wohler miniature camera head 1", detachable	Transmission Frequency Locator	512 Hz / 8.9 kHz / 9.2 kHz
	Viewing angle	145°
	Resolution	768 x 576 px
	Protection	waterproof to IP 68
Push rod	Dimensions	1" dia. x 1.5"
	Transmission Frequency Locator	512 Hz / 8.9 kHz / 9.2 kHz
Distance Measurement	Length	67' / 100'
	Diameter	0.26"
		Electronic distance counter

Product selection
p. 87 – 88

Accessories
p. 95 ff.



The Wohler VIS 350 precisely locates radio waves transmitted by the camera head through concrete and asphalt to save a lot of time and further building damage.



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

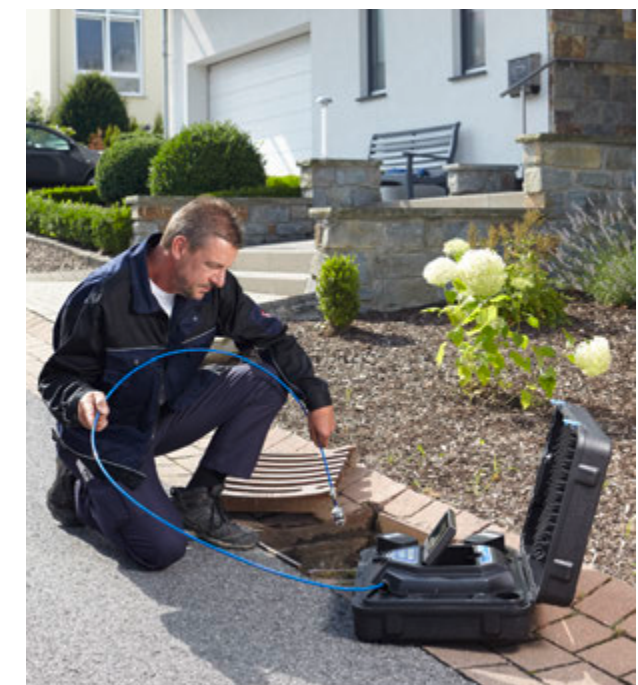


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The 360° pan and 180° tiltable color camera head easily negotiates 87° bends.



The 100' push rod and the pan- and tiltable camera head 1.5" make sure nothing in the house supply line remains hidden from your view.



	Wohler VIS 350 Inspection Camera	Wohler VIS 350 Inspection Camera	Wohler VIS 350 PLUS Inspection Camera	Wohler VIS 350 PLUS Inspection Camera
Scope of delivery	Wohler VIS 350 Inspection Camera with digital distance counter			
	Plastic Case			
	Wohler pan- and tiltable camera head 1.5", fixed			
	Wohler miniature camera head 1", detachable			
	Wohler pan- and tiltable camera head 1.5", detachable			
	SD Card 4 GB and Mini-USB cable			
	7" TFT color monitor with 6' connection cable (removable monitor)			
	6' connection cable (removable monitor)			
	100' push rod 0.26"			
	5 plastic domes			
	Anti-slide mat			
	2 NiMH batteries with charger			
	Wohler L 200 Locator			
	Article no. 7354	6352	8927	8931
	Buy now online!	wohlerusa.com/7354	wohlerusa.com/6352	wohlerusa.com/8931

• = included

Accessories
p. 95 ff.



Wohler VIS 400 Inspection System

Inspection of Drain Lines and Chimneys



Application

Locate, analyze damage and inspect:

- ▶ Waste water lines of 2.5" and larger
- ▶ House connections up to 8"
- ▶ Flue gas systems of 2" and larger
- ▶ Ventilation lines of ventilation systems
- ▶ False ceilings, hollow spaces, shafts

Advantages

- ▶ Waterproof rotatable and tiltable camera head 1.5" for all-round vision in places difficult to access
- ▶ Perfect for inspection from above and below
- ▶ Image/video and voice memory and video output
- ▶ Modular system – all Wohler camera heads can be used – therefore a wide range of applications
- ▶ Camera head with integrated radio transmitter makes quick localization of damaged areas possible with the Wohler L 200 Locator

Technical data

Monitor	TFT display	7" / 16:9 format
	Video-Out	RCA signal
Power Supply	Batteries or via power supply unit	
	Battery operating time	2 h (battery status in display)
Wohler pan- and tiltable camera head 1.5", detachable	Viewing angle	130°
	Resolution	768 x 576 px
	Protection	waterproof to IP 67
	Dimensions	1.5" dia. x 2.4"
	Transmission Frequency Locator	512 Hz / 8.9 kHz / 9.2 kHz
Camera cable	Length	66' / 100'
	Diameter	0.26" / 0.28"
Cable Reel with camera cable	Length	66' / 100'
	Diameter	Electronic distance counter
Camera Viper	Length	66' / 100'
	Diameter	Electronic distance counter



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Product selection
p. 91 – 92



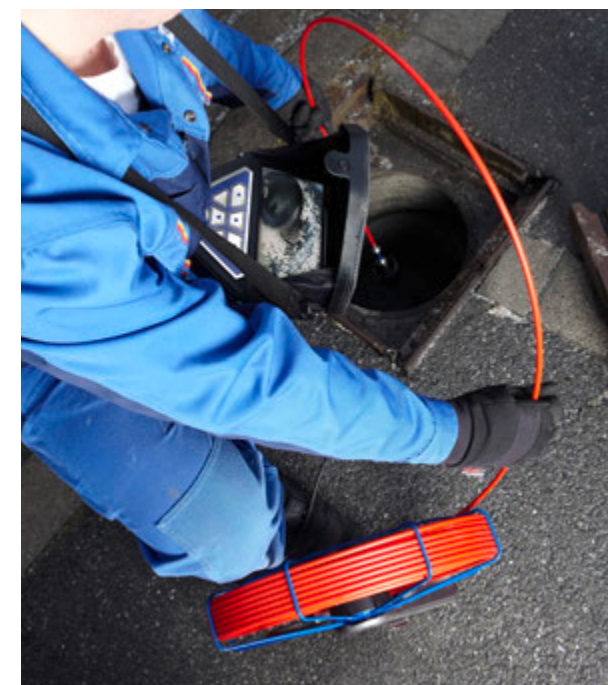
Accessories
p. 95 ff.



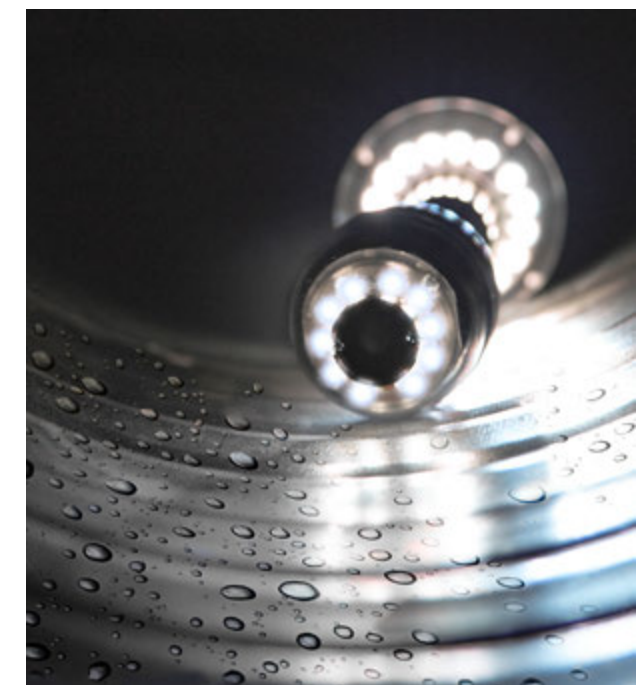
Put your camera system together to suit your requirements and wishes.



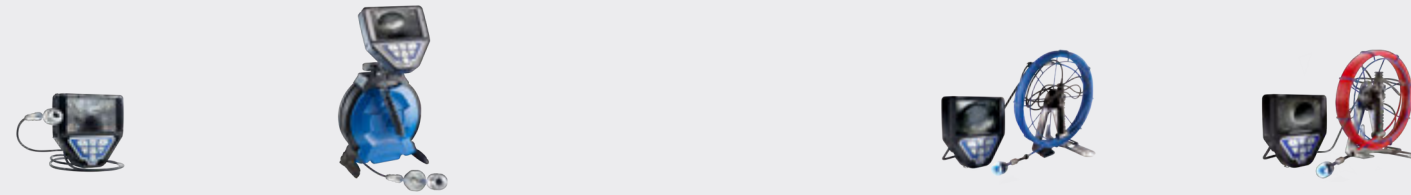
The monitor unit can be securely attached to metal surfaces with magnets. Both hands remain free to work.



Professionally equipped with camera viper for inspecting underground pipelines.



12 LEDs for optimum glare-free illumination. Optional additional lighting for drainage pipes and low-reflection, sooty chimneys.



		Wohler VIS 400 Cable Camera	Wohler VIS 400 Cable Reel Camera	Wohler VIS 400 Viper Camera	Wohler VIS 400 Viper Camera
Scope of delivery	Wohler VIS 400 Colour monitor	•	•	•	•
	Plastic Case	•		•	
	Aluminium case		•		•
	Wohler pan- and tiltable camera head 1.5", detachable	•	•	•	•
	Protective bag with glare shield	•	•	•	•
	SD Card 4 GB and Mini-USB cable	•	•	•	•
	Lithium-ion rechargeable battery	•	•	•	•
	Camera cable 66' / Cable Metering	•			
	Cable Reel with camera cable 66' / Electronic distance counter		•		
	Camera Viper 66' / Electronic distance counter			•	
Camera Viper 100' / Electronic distance counter				•	
Article no.		4133	4153	7784	4152
Buy now online! 🛒		wohlerusa.com/4133	wohlerusa.com/4153	wohlerusa.com/7784	wohlerusa.com/4152

• = included

Accessories
p. 95 ff.



Wohler Chimney Mirror

Exhaust gas routing check



Application

Inspection of:

- ▶ Objects hard to reach
- ▶ Chimneys

Advantages

- ▶ Robust metal mirror
- ▶ Polished and high-gloss chrome-plated, good optical quality
- ▶ Tilttable mirror on handle
- ▶ Screwable telescopic handle extendable from 1' to 1.8'



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Wohler Glas Mirror

Exhaust gas routing check



Application

Inspection of:

- ▶ Objects hard to reach
- ▶ Chimneys
- ▶ Buildings

Advantages

- ▶ Glass mirrors with high optical quality
- ▶ Mirrors can be rotated and tilted
- ▶ Protected by aluminium frame
- ▶ Practical telescopic handle – easy to pull out from 0.7' to 3.2' cm

Wohler Glas Mirror	
Scope of delivery	Glass mirror 2" x 3"
	Imitation leather cover
	Article no. 5064

Wohler Glas Mirror small with telescopic handle	
Scope of delivery	Glass mirror 1" x 3"
	Imitation leather cover
	Telescopic handle extendable up to 21"
	Ball joint (pan and tilt)
	Aluminium edge protection
	Article no. 8064

Wohler Glas Mirror medium with telescopic handle	
Scope of delivery	Glass mirror 2" x 3"
	Imitation leather cover
	Telescopic handle extendable up to 21"
	Ball joint (pan and tilt)
	Aluminium edge protection
	Article no. 8059

Wohler Glas Mirror large with telescopic handle	
Scope of delivery	Glass mirror 3" x 6"
	Imitation leather cover
	Telescopic handle extendable up to 21"
	Ball joint (pan and tilt)
	Aluminium edge protection
	Article no. 8087



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Wohler L 200 Locator

Exact Localization of the Camera Head



Application

- ▶ Exact localization of the camera head in pipelines, chimneys, floor or ceiling areas etc.
- ▶ Acoustic signal for orientation via loudspeaker or headphones
- ▶ Crosshairs and signal strength indicate how far away and in which direction the camera head is located
- ▶ Quick detection of damaged areas with the camera heads 1" /1.5"

Advantages

- ▶ Locating the radio signals of the camera head enables the damage site to be found quickly
- ▶ Bright, easy to read color display
- ▶ Easy handling thanks to spatial guidance via the display during locating
- ▶ Telescopic pole enables the detection of the damaged areas without any problems and everywhere
- ▶ Chalk holder enables the direct marking of the damaged areas

Technical data		
Locator Receiver	Display	Graphical display of the camera head position
Output impedance headphones	32 Ohm	
Power supply	Lithium-ion rechargeable battery	
Frequency	8.9 / 9.2 kHz	



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Wohler L 200 Locator	
Scope of delivery	Wohler L 200 Locator
	Telescopic rod
	Headphones
	USB power supply with Micro-USB cable
	Chalk (12 pcs. box, yellow)
	Plastic Case
	Article no. 7430

Wohler VIS Camera Trolley

Optimal guidance of the camera head



Application

Optimal guiding of the camera head:

- ▶ In air lines from 6" /0.5' x 0.5'
- ▶ In drain channels from 6" /0.5' x 0.5'
- ▶ In drawn chimneys from 60" /0.5' x 0.5'

Advantages

- ▶ Suitable for:
 - All Wohler VIS camera heads (1" /1.5")
 - Various accessories such as additional lighting, stabilising sleeve and dome protection
- ▶ Plastic wheels ensure optimum guidance in round and flat channels
- ▶ With the help of the adjustment rail, the camera trolley can be adjusted in three heights and placed backwards or forwards in 3 steps
- ▶ Camera head can be mounted on the trolley or suspended underneath it
- ▶ Rugged body is made of corrosion and acid resistant stainless steel and is still 1.5 lb light













Wohler VIS Camera Trolley	
Scope of delivery	Wohler VIS Camera Trolley
	Camera head holder
	Storage bag
	Article no. 4705








Wohler VIS Camera Trolley Set	
Includes	Wohler VIS Camera Trolley
	Camera head holder
	Storage bag
	Stabilization sleeve for light ring
	Article no. 4753




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Accessories Inspection Technology	Article no.
 Wohler miniature camera head 1" for Wohler VIS 2xx / 3xx detachable, color, with leather protection case	8934
 Wohler pan- and tiltable camera head 1.5" for Wohler VIS 3xx / 4xx detachable, color, with leather protection bag	8926
 Wohler Light Ring 1" / 1.5" for camera heads 1" / 1.5" light ring with 18 white LEDs, outer 2.1", detachable	8894
 Battery for Wohler VIS 2xx / 3xx 12 V NiMH 2600 mAh, operation time: 120 min, warranty: 1 year	4715
 Power Supply for Wohler VIS 2xx / 3xx 18 V, 1.5 A, 100 – 240 V, 50 Hz, charge time 3 hours, for all countries	4798
 Car Charger for Wohler VIS 2xx / 3xx 18 V	3169
 Guidance Sleeve with protection cage for camera head 1"	3847
 Guidance Sleeve for camera head 1"	3827
 Protection Sleeve with cutout for camera head 1.5"	2641
 Glass Dome for camera head 1.5"	3674
 Replacement Polycarbonate Dome for camera head 1.5" 10 pcs.	3675
 Wohler VIS 400 Visual Inspection Monitor	4781

Accessories Inspection Technology	Article no.
 Camera Roller Guide for camera heads and push rods	3681
 Centering Brush for camera heads	3850
 Guidance Set 100 for camera head 1.5" Scope of delivery: protection sleeve with cut-out, roller guide and centering star	4240
 Guidance Ball for camera heads and push rods	3634
 Camera Holder faces down	3720
 Plastic Case MAXI for Wohler VIS 2xx / 3xx with compartment covers	7598
 Clip (blue) for Plastic Case	53690

Accessories Telescopic Inspection	Article no.
 Wohler Telescopic Pole with flexible 1' gooseneck	
Length of telescopic pole 3 to 5' plus gooseneck	7005
Length of telescopic pole 3 to 11' plus gooseneck	7024



Cleaning Technology Ventilation Systems

Product Overview	101 – 102
-------------------------	------------------

Cleaning with Compressed Air / Water	103 – 106
Wohler Compressed Air Cleaning (Standard Set)	103
Wohler Compressed Air Cleaning (Professional Set)	104
Wohler DH 420 Pneumatic Viper	105 – 106

Cleaning of Ventilation Lines with Brushes	107 – 113
Wohler Viper S	107
Wohler Viper S PLUS	108
Wohler Viper M	109
Wohler Viper M PLUS	110
Wohler Rotary Viper M10	111 – 112
Wohler Rotary Viper M5	113

Accessories / Complementary products	114 – 118
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Product Overview

Page

103 – 106

107 – 108

109 – 110

112

113



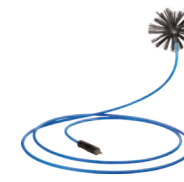
Wohler Compressed Air Cleaning



Wohler Viper S / S PLUS



Wohler Viper M / M PLUS



Wohler Rotary Viper M10



Wohler Rotary Viper M5

Applications (depends on accessories)

Ventilation systems (round)	3"…6"	•	•		•	•
	6"…10"	•		•	•	
	10"…16"	•		•		
Ventilation systems (rectangular)		•			•	•
Ventilation systems (oval)			•			•

Features

Horizontal and vertical cleaning		•	•	•	•	•
Stainless steel compatible		•	•	•	•	•
Rotating cleaning tool		•			•	•
Push cleaning tool		•	•	•		
Compressed air cleaning tool		•				

Technical data

Length	33' Compressed air hose	50' GRP-rod	50' / 66' GRP-rod	5' / 10' / 16' / 33' / 50'	50'
Diameter	0.55"	0.18"	0.28"	0.6"	0.6"
Digital distance counter	•		•		
Weight	5.5 lbs	1.8 – 2.4 lbs	4 – 4.4 lbs	3 – 8 lbs	approx. 8 lbs
Thread type	Compressed air connection	Female thread M5	Female thread M10	Female thread M10	Female thread M5

• = included
* Brushes not included!

Wohler Compressed Air Cleaning Standard Set

Wohler Compressed Air Cleaning Professional Set



Application

- ▶ Designed for compressed air cleaning
- ▶ Operation with water possible
- ▶ Cleaning of round & oval ventilation ducts up to 5" diameter
- ▶ Cleaning of dryer vents

Advantages

- ▶ Combines bristles and compressed air to loosen stubborn soiling
- ▶ Easy operation
- ▶ Backwards rotating helicopter nozzle causes a forward movement

Technical data		
Compressed Air Hose	Length	23'
Helicopter Nozzle	Type	Backwards rotating
	Bristle length	4" each
Requirements on the compressor	Pressure	min. 70 psi
	Output	min. 14 CFM



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Wohler Compressed Air Cleaning Standard Set

Scope of delivery	Compressed Air Hose 23'	Article no. 7560
	Stop Valve	
	Backwards Rotating Helicopter Nozzle	
	Plastic Case	

Accessories

p. 118

Application

- ▶ Designed for compressed air cleaning
- ▶ Cleaning of round & angular ventilation ducts

Advantages

- ▶ Easy operation of the Pneumatic Viper due to the belt clip
- ▶ Suitable for large & small air ducts
- ▶ Hose extension possible due to the hose reel



Technical data		
Pneumatic Viper	Length	33' (incl. hose)
	Weight	5 lbs
Digital Distance Measurement	Unit	feet or meter (ft or m)
	Resolution	0.1 ft
	Battery	3.6 V lithium battery
Requirements on the compressor	Pressure	min. 70 psi
	Output	min. 14 CFM

Wohler Compressed Air Cleaning Professional Set

Scope of delivery	Wohler DH 420 Pneumatic Viper	Article no. 7570
	Compressed Air Hose 33'	
	Compressed Air Hose Reel 66'	
	Stop Valve	
	Compressor Connection	
	Compressed Air Whip	
	Backwards Rotating Helicopter Nozzle	
	Guidance Roller Ball	
	XXL Aluminium Case	

Accessories

p. 118

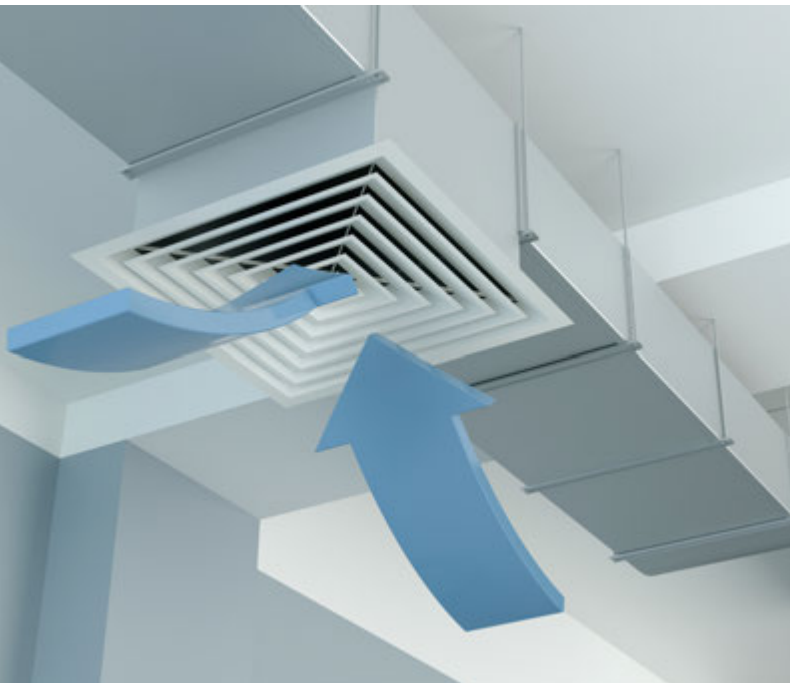


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Wohler DH 420 Pneumatic Viper

Cleaning of Ventilation Ducts



Various connection possibilities



Application


- ▶ Cleaning of Ventilation Ducts
- ▶ Cleaning of Dryer Vents
- ▶ Compressed Air Cleaning
- ▶ Suitable for use with water

Advantages

- ▶ Easy Operation due to belt clip
- ▶ Cleaning of 33' pipes & ducts
- ▶ Easy to push due to the glass fiber reinforced plastic hose
- ▶ Adjustable brake
- ▶ Digital Distance Counter

Technical data		
Viper	Weight	5 lbs (incl. hose)
	Hose length	33'
Requirements on the compressor	Pressure	min. 70 psi
	Output	min. 14 CFM

Wohler DH 420 Pneumatic Viper	
Scope of delivery	Wohler DH 420 Pneumatic Viper
	Compressed Air Hose 33'
	Stop Valve
	Compressor Connection
	Article no. 7580

Accessories 
p. 118

Comparison overview

For you at a glance



Wohler Compressed Air Cleaning Standard Set



Wohler Compressed Air Cleaning Professional Set



Wohler DH 420 Pneumatic Viper

Scope of delivery

Wohler DH 420 Pneumatic Viper		•	•
Compressed Air Hose 23'	•		
Compressed Air Hose 33'		•	•
Compressed Air Hose Reel 66'		•	
Stop Valve	•	•	•
Compressor Connection		•	•
Compressed Air Whip		•	
Backwards Rotating Helicopter Nozzle	•	•	
Guidance Roller Ball		•	
Plastic Case	•		
XXL Aluminium Case		•	
Article no.	7560	7570	7580
Buy now online! 🛒	wohlerusa.com/7560	wohlerusa.com/7570	wohlerusa.com/7580

• = included

Wohler Viper S

Cleaning of small Ventilation Lines



Application

Cleaning of:

- ▶ Pipes from 1.6" to 6"
- ▶ Ventilation connectors
- ▶ Small ventilation lines
- ▶ Dryer vents

Advantages

- ▶ GRP-rod with resistant coating
- ▶ Splash protection through protective housing
- ▶ Ergonomically shaped handle
- ▶ Belt clip for left and right handed users
- ▶ For mounting mini hole stars

Technical data

Cage diameter	11"
Weight	1.8 lbs incl. 50' GRP-rod
Width	1.3"

Wohler Viper S 50'

Scope of delivery	Wohler Viper S
	Length marking
	GRP-rod 0.18" / 50'
	Stainless steel end pieces M5
	Protection tube

Article no. 2028

Accessories
p. 114 ff.



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Wohler Viper S PLUS

Cleaning of small Ventilation Lines



Application

Cleaning of:

- ▶ Pipes from 1.6" to 6"
- ▶ Ventilation connectors
- ▶ Small ventilation lines
- ▶ Dryer vents

Advantages

- ▶ GRP-rod with resistant coating
- ▶ Stainless steel viper reel
- ▶ Compact design due to foldable handle
- ▶ Precisely adjustable freewheel break
- ▶ For mounting mini hole stars

Technical data

Cage diameter	12.6"
Weight	2.4 lbs incl. 50' GRP-rod
Brake	precisely adjustable

Wohler Viper S PLUS 50'

Scope of delivery	Wohler Viper S PLUS
	Length marking
	GRP-rod 0.18" / 50'
	Stainless steel end pieces M5
	Protection tube

Article no. 8872

Accessories
p. 114 ff.



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Wohler Viper M

Cleaning of Chimneys / Exhaust Pipes



Application

Cleaning of:

- ▶ Chimneys
- ▶ Pipework
- ▶ Ventilation ducts

Advantages

- ▶ GRP-rod with resistant coating
- ▶ Precisely adjustable freewheel brake
- ▶ Transport possibility for two additional stars
- ▶ Belt clip for sweeping and transport
- ▶ For mounting stars and brushes

Technical data	
Cage diameter	17"
Width	4"
Weight	4.4 lbs incl. 50' GRP-rod
Freewheel brake	precisely adjustable

Wohler Viper M 50'	
Scope of delivery	Wohler Viper M
	Length marking
	GRP-rod 0.28" / 50'
	Stainless steel end pieces M10
	Protection tube
Article no. 7649	

Wohler Viper M 65'	
Scope of delivery	Wohler Viper M
	Length marking
	GRP-rod 0.28" / 65'
	Stainless steel end pieces M10
	Protection tube
Article no. 7648	

Accessories
p. 114 ff.

Wohler Viper M PLUS

Cleaning of Ventilation Lines - with Digital Distance Counter



Application

Cleaning of:

- ▶ Flue gas systems
- ▶ Chimneys of up to 10"
- ▶ Ventilation lines
- ▶ Pipework

Advantages

- ▶ Digital Distance Counter
- ▶ Quick-change push head for easy changing of line stars
- ▶ GRP-rod with resistant coating
- ▶ Precisely adjustable freewheel brake and transport lock
- ▶ transport possibility by star holder for two additional line stars
- ▶ Belt clip for sweeping and transporting
- ▶ For mounting stars and brushes

Technical data	
Cage diameter	17"
Width	4"
Weight	4.4 lbs incl. 50' GRP-rod
Freewheel brake	precisely adjustable
Resolution distance counter	0.1'

Wohler Viper M PLUS 50'	
Scope of delivery	Wohler Viper M PLUS
	Digital distance measurement
	GRP-rod 0.28" / 50'
	Stainless steel end pieces M10
	Protection tube
Article no. 3770	

Wohler Viper M PLUS 65'	
Scope of delivery	Wohler Viper M PLUS
	Digital distance measurement
	GRP-rod 0.28" / 65'
	Stainless steel end pieces M10
	Protection tube
Article no. 3790	

Accessories
p. 114 ff.

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Wohler Rotary Viper M10

Cleaning of Ventilation Ducts / Exhaust Pipes



Application

Cleaning of:

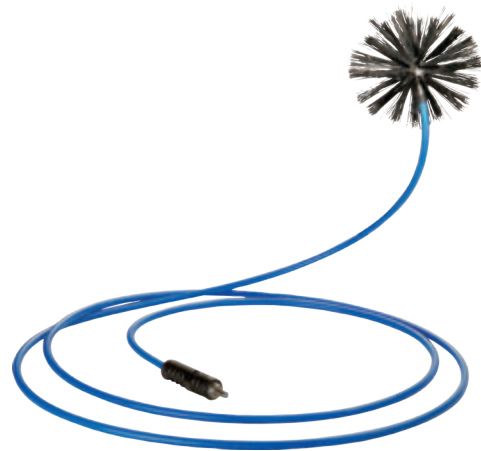
- ▶ Dryer vents
- ▶ Ventilation ducts
- ▶ Exhaust pipes

Advantages

- ▶ CW / CCW rotation
- ▶ Due to a small end piece also applicable for smaller bends
- ▶ Very light weight 2.2 lbs
- ▶ Extremely flexible shaft
- ▶ Operation by cordless screwdriver

Technical data

Length	5' / 10' / 16' / 33'
Coat	very flexible, 0.6" dia
Threaded connection	internal M10
Tap for drill chuck	0.4" dia
Core	0.4" dia, CW / CCW rotation



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Accessories	
p. 114 ff.	

		Wohler Rotary Viper M10 5'	Wohler Rotary Viper M10 10'
Scope of delivery	Wohler Rotary Viper M10 / 5'	•	
	Wohler Rotary Viper M10 / 10'		•
	Internal thread M10	•	•
	Dome Brush, Perlon 7"	•	•
Article no.		4882	4867
Buy now online!		wohlerusa.com/4882	wohlerusa.com/4867

		Wohler Rotary Viper M10 16'	Wohler Rotary Viper M10 16'
Scope of delivery	Wohler Rotary Viper M10 / 16'	•	•
	Internal thread M10	•	•
	Dome Brush, Perlon 7"	•	•
	Dome Brush, Perlon 8"		•
	Dome Brush, Perlon 12"		•
Article no.		4832	7511
Buy now online!		wohlerusa.com/4832	wohlerusa.com/7511

		Wohler Rotary Viper M10 33'	Wohler Rotary Viper M10 50'
Scope of delivery	Wohler Rotary Viper M10 / 33'	•	
	Wohler Rotary Viper M10 / 50'		•
	Internal thread M10	•	•
	Dome Brush, Perlon 7"	•	•
Article no.		4866	4880
Buy now online!		wohlerusa.com/4866	wohlerusa.com/4880

• = included

Wohler Rotary Viper M5

Cleaning of Ventilation Pipes



Application

Cleaning of:

- ▶ Dryer vents
- ▶ Ventilation ducts with round cross-section from 2.5"
- ▶ Controlled residential ventilation
- ▶ Tubes exposed to grinding dust

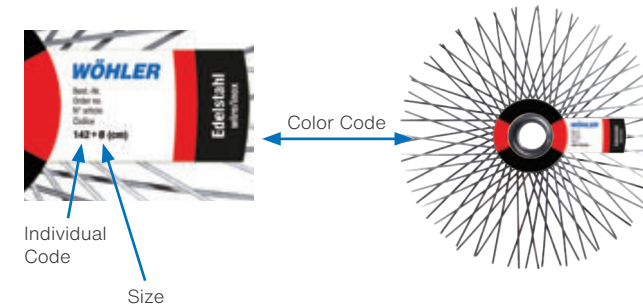
Advantages

- ▶ Very easy to bend due to compact head attachments:
 - Small strip brush head, Perlon 5.5"
 - Wiper head for the removal of grinding dust
- ▶ Off-grid operation with cordless screwdriver

Technical data	
Length	16' / 50'
Max. torque	Clockwise 3 Nm
	Counterclockwise 1,5 Nm
Operating temperature	32...176°F
Internal thread	M5




Wohler Rotary Viper M5	
Scope of delivery	Wohler Rotary Viper M5 / 50'
	Brush head Perlon 5.5"
	Wipe head with two wiping cloths 5.5"
Article no. 4172	





All Wohler stars are marked with a label whose color combination gives you information about the material and degree of hardness. Save the label to order more stars of the same material: The combination of the code indicated on the label and the desired diameter gives the order number for your new star. (Example: 56" + 10" = Order No. 14225).








Color	Material	Hardness and properties
⊕	Stainless Steel Flat Wire (Not suitable for stainless steel pipes)	soft
⊖		medium hard
⊙		hard
⊚		very hard, In galvanized version
⊛	Stainless Steel Crimped Wire (For stainless steel pipes)	soft
⊜		medium hard
⊝		hard
●	PEK	soft (High Tech fiber for light sweeping, stable plastic bristles, heat tolerant up to approx. 356 °F)
●	HT	soft (High Tech fiber for light sweeping, stable plastic bristles, heat tolerant up to approx. 482 °F)
●	Perlon	soft (Plastic bristles for stainless steel pipes, heat tolerant up to approx. 122 °F)
●	VA (Wire) corrugated	soft (for Star Brushes and Threaded Brushes)




IMPORTANT INFORMATIONS	
<p>Stainless Steel, Crimped Wire Thin Stainless Steel Wires that have been crimped. Excellent for soft to medium soot in all chimneys.</p>	
<p>Stainless Steel, Flat Wire Premium Flat wire for harder deposits in masonry / tile Chimneys</p>	
<p>Perlon Black Plastic Fiber for light condition sweeping in Stainless Steel chimneys. Heat tolerant to 122 °F</p>	
<p>PEK High Tech Synthetic Fiber for light condition sweeping in Stainless Steel chimneys, ducts or pellet stoves. Heat tolerant to 300 °F</p>	



Stars / Brushes	Article no.
Star, PEK	
 ● 6"	13815
● 8"	13820
● 10"	13825
● 12"	13830
Star Kit, PEK	
● 2 x 6" / 4 x 8" / 2 x 10"	3710
Star, Perlon	
● 6"	13715
● 8"	13720
● 10"	13725
● 12"	13730
● 16"	24
● 24"	3141
Mini Hole Star, HT	
● 3"	15907
● 4"	15910
● 5"	15913
● 6"	15915
● 8"	15920
Star Set, HT	
● 2 x 6" / 4 x 7.8" / 2 x 9.8"	3100
Dome Brush, Perlon with M10 Thread	
● 3"	7146
● 4"	7147
● 5"	1458
● 6"	7150
● 7"	1466
● 8"	7164
● 10"	7102
Brush head, Perlon for Wohler Rotary Viper M5 5.5"	
4169	
Wiping cloths for Wohler Rotary Viper M5 6" 10 pcs.	
4185	
Adaptor wipe head for fixing wiping cloths to Wohler Rotary Viper M5	
4139	

Stars / Brushes	Article no.
Threaded Brush, HT with M5 thread	
● 3"	14607
● 4"	14610
● 5"	14613
● 6"	14615
● 8"	14620
Threaded Brush Kit, HT	
● 4" / 6" / 8"	8181
● 3" / 4" / 5" / 6" / 8"	8182
Threaded Brush, PEK with M10 thread	
● 6"	18815
● 8"	18820
● 10"	18825
Threaded Brush, Perlon with M10 thread	
● 6"	18715
● 8"	18720
● 10"	18725
● 12"	18730
● 14"	18735
● 16"	18740
● 20"	18750
● 24"	18760
Threaded Brush Kit, Perlon with M10 thread	
● 8" / 10" / 12" / 14"	5529
Push-head brush, Perlon with M 10 thread	
● 8" x 8" 3 layer	8711
● 8" x 13" 3 layer	8712
● 13" x 13" 3 layer	8713

Accessories GRP-rod	Article no.	
	GRP-rod with 2 stainless steel end pieces, M10 internal thread	
	0.35" / 50' / without metrication / red	7015
	0.35" / 65' / without metrication / red	7020
	0.35" / 50' / with metrication / black	9015
	0.35" / 65' / with metrication / black	9020
	0.43" / 164' / with metrication / yellow	4350
	GRP-rod Repair Kit with stainless steel end piece, screws and allen wrench	
	for GRP-rod 0.2"	3687
	for GRP-rod 0.28"	3696
	for GRP-rod 0.35"	3690
	for GRP-rod 0.43"	3691

Viper and Brush Adapter	Article no.	
	Adapter STST 3"/8" with M10 inner thread to adapt Wohler brushes to rods	8520
	Rod connector 0.9"/2.75" with M10 inner thread	8524
	Brass Rod Connector with double-sided thread M10 for connecting several GRP-rods	1454
	Star Holder 1"	7979
	with M12 thread	39753
	Brake Adjustment Knob for handy viper	52388
	Protection Hose for sweeper coil 30"	9417
	Viper Rubber Feet	37703
	Guidance End Ball with threaded pin M5 for GRP-Rod 0.18", to hold Stars PEK	8063

Compressed air cleaning	Article no.	
	Roller guide ball Compressed Air Cleaning for guiding the Wohler DH 420 Pneumatic Viper in angular shaped ventilation pipes	7552
	Helicopter nozzle backwards rotating appropriate for compressed air cleaning, combined with brushes and blast pipe effect for persistent contamination in small ducts	7556
	Compressed Air Whip Compressed Air Cleaning with 7 ends / 1.6' long particular suitable for bigger pipe diameters	7562
	Hose Reel Compressed Air Cleaning with connecting hose 5' and adapter plug 65' hose	7565
	Sealing Set Ventilation sealing bladder size 3 for 4" – 9.8" dia and size 5 for 7.9" – 15.7" dia, with release valve	7506
	Aluminium Case XXL	5824

Mirror / Miscellaneous	Article no.	
	Wohler Replacement Glass Mirror 3" x 6"	1108
	Mini Chimney Sweeper Dolls 500 pcs.	411



Cleaning Technology

Chimneys / Exhaust Pipes

Product Overview	121 - 122
<hr/>	
Cleaning of Chimneys / Exhaust Pipes	123 - 130
Wohler Snap & Sweep® Regular	123
Wohler Rotary Viper Heavy-Duty	124
Wohler Viper S	125
Wohler Viper S PLUS	126
Wohler Viper M	127
Wohler Viper M PLUS	128
Wohler Viper L	129
Wohler Viper XL / XXL	130
<hr/>	
Accessories / Complementary Products	131 - 136

Product Overview

Page

123

124

125 – 126

127 – 128

129

130



Wohler Snap & Sweep® Regular



Wohler Rotary Viper Heavy-Duty



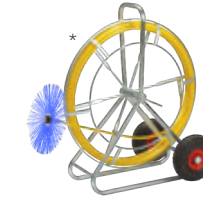
Wohler Viper S / S PLUS



Wohler Viper M / M PLUS



Wohler Viper L



Wohler Viper XL / XXL

Applications (depends on accessories)

Chimneys (diameter in inches)	to 5.5"			•			
	5.5"...8"	•	•		•		
	8"...16"	•	•		•	•	•
	over 16"		•			•	•
Flue gas lines (diameter in inches)	1.5"...6"			•	•		
	6"...10"	•			•		
	over 10"	•			•		•
Boilers	•						
Connectors	•		•	•	•		
Smoking chambers	•						
Downpipes	•		•	•	•		

Features

Horizontal and vertical cleaning	•	•	•	•	•	•
Top down sweeping	•	•	•	•		
Stainless steel compatible	•	•	•	•	•	•
Rotating cleaning tool	•	•				

Technical data

GRP-rod	Length	3'	23' / 33'	50'	50' / 66'	50' / 66'	164' / 328'
	Diameter	1.4"	0.8"	0.18"	0.28"	0.35"	0.43"
Weight		0.7 lbs	14.4 – 18.8 lbs	1.8 – 2.4 lbs	4 – 4.4 lbs	9.5 – 11.7 lbs	47.6 – 75.4 lbs
Threaded connector	Female thread	M10	M10	M5	M10	M10	M10

• = included
* Brushes not included!

Wohler Snap & Sweep® Regular

Easy Sweeping with Rotating Cleaning Tools



Application

Cleaning of:

- Stainless steel chimneys
- Large chimneys
- Ventilation Ducts
- ▶ Various cleaning tasks
- ▶ Removal of creosote and blockages (e.g. bird nests)

Advantages

- ▶ Effective cleaning through rotation
- ▶ Stable, robust and flexible
- ▶ Gentle cleaning with brushes and nylon wire
- ▶ One-man operation: You can easily do it yourself
- ▶ Snap-in quick connectors
- ▶ Operation with cordless screwdriver possible
- ▶ Variable number of rods for optimal control
- ▶ Convenient and clean transport in the carrying bag

Technical data	
Material	Plastics
Length	3.3'
Operating temperature	-4...185°F
Connectors	Snap-in quick connectors

Wohler Snap & Sweep® Regular	
Scope of delivery	Sweeping rods with snap-in quick connectors (10 pcs./each 3' long)
	Carrying Bag for rods
	Threaded Brush, Perlon 10"
	Protection bag for sweeping attachments
	Universal rotary head
	Nylon wires 12" (6 pcs.)
	Drill adaptor
	Article no. 6898

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Accessories

p. 131 ff.

Application

Cleaning of:

- ▶ Chimneys with creosote

Advantages

- ▶ Thorough, fast and convenient cleaning
- ▶ Quick and easy removal of creosote and blockages (e.g. bird nests)
- ▶ Ideal also for drawn chimneys
- ▶ The integrated slip clutch between the drilling machine and flexible shaft increases safety
- ▶ Clockwise/counterclockwise rotation possible, thus particularly high cleaning effect

Technical data	
Coating	tread & kink resistant 0.8"
Length	23' / 33'
Thread type	M10
Tang for drill chuck	0.4"
End pieces	ball bearing mounted
Inner chain	0.4", right / left winding

Wohler Rotary Viper Heavy-Duty 23'	
Scope of delivery	Wohler Rotary Viper Heavy-Duty 23'
	End piece for holding chains
	Safety clutch
	Stainless steel chain 10'
	Article no. 7437

Wohler Rotary Viper Heavy-Duty 32'	
Scope of delivery	Wohler Rotary Viper Heavy-Duty 32'
	End piece for holding chains
	Safety clutch
	Stainless steel chain 10'
	Article no. 7440

Accessories

p. 131 ff.

Wohler Rotary Viper Heavy-Duty

Removal of Creosote



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Wohler Viper S

Cleaning of Exhaust Pipes



Application

- Cleaning of:
- ▶ Small chimneys
 - ▶ Pipework
 - ▶ Ventilation ducts

Advantages

- ▶ GRP-rod with resistant coating
- ▶ Splash protection through protective housing
- ▶ Ergonomically shaped handle
- ▶ Belt clip for left and right handed users
- ▶ For mounting mini hole stars

Technical data	
Cage diameter	11"
Width	1.3"
Weight	1.8 lbs incl. 50' GRP-rod

Wohler Viper S 50'	
Scope of delivery	Wohler Viper S
	Length marking
	GRP-rod 0.18" / 50'
	Stainless steel end pieces M5
	Protection tube
Article no. 2028	

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Wohler Viper S PLUS

Cleaning of Exhaust Pipes



Application

- Cleaning of:
- ▶ Small chimneys
 - ▶ Pipework
 - ▶ Ventilation ducts

Advantages

- ▶ GRP-rod with resistant coating
- ▶ Stainless steel viper reel
- ▶ Compact design due to foldable handle
- ▶ Precisely adjustable freewheel break
- ▶ For mounting mini-hole stars

Technical data	
Cage diameter	12.6"
Weight	2.4 lbs incl. 50' GRP-rod
Brake	precisely adjustable

Wohler Viper S PLUS 50'	
Scope of delivery	Wohler Viper S PLUS
	Length marking
	GRP-rod 0.18" / 50'
	Stainless steel end pieces M5
	Protection tube
Article no. 8872	



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Wohler Viper M

Cleaning of Chimneys / Exhaust Pipes



Application

Cleaning of:

- ▶ Chimneys
- ▶ Pipework
- ▶ Ventilation ducts

Advantages

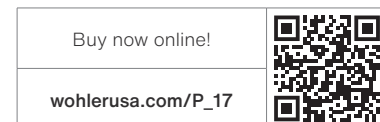
- ▶ GRP-rod with resistant coating
- ▶ Precisely adjustable freewheel brake
- ▶ Transport possibility for two additional stars
- ▶ Belt clip for sweeping and transport
- ▶ For mounting stars and brushes

Technical data	
Cage diameter	17"
Width	4"
Weight	4.4 lbs incl. 50' GRP-rod
Freewheel brake	precisely adjustable

Wohler Viper M 50'	
Scope of delivery	Wohler Viper M
	Length marking
	GRP-rod 0.28" / 50'
	Stainless steel end pieces M10
	Protection tube
Article no. 7649	

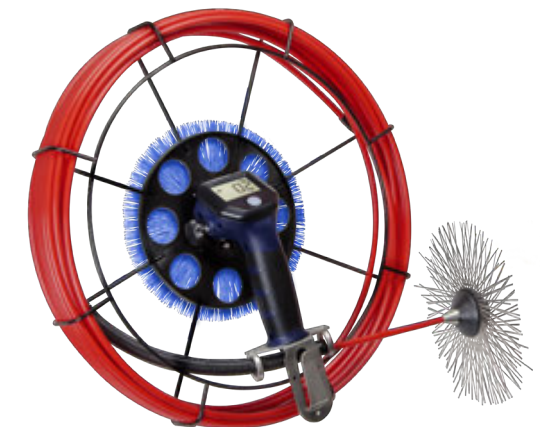
Wohler Viper M 65'	
Scope of delivery	Wohler Viper M
	Length marking
	GRP-rod 0.28" / 65'
	Stainless steel end pieces M10
	Protection tube
Article no. 7648	

Accessories
p. 131 ff.



Wohler Viper M PLUS

Cleaning of Chimneys / Exhaust Pipes – with Digital Distance Counter



Application

Cleaning of:

- ▶ Chimneys
- ▶ Pipework
- ▶ Ventilation ducts

Advantages

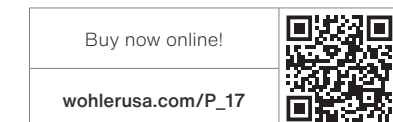
- ▶ Digital Distance Counting
- ▶ Quick-change push head for easy changing of line stars
- ▶ GRP-rod with resistant coating
- ▶ Precisely adjustable freewheel brake and transport lock
- ▶ Transport possibility for two additional stars with protective plate
- ▶ Belt clip for sweeping and transporting
- ▶ For mounting stars and brushes

Technical data	
Cage diameter	17"
Width	4"
Weight	4.4 lbs incl. 50' GRP-rod
Freewheel brake	precisely adjustable
Resolution distance counter	0.1'

Wohler Viper M PLUS 50'	
Scope of delivery	Wohler Viper M PLUS
	Digital distance measurement
	GRP-rod 0.28" / 50'
	Stainless steel end pieces M10
	Protection tube
Article no. 3770	

Wohler Viper M PLUS 65'	
Scope of delivery	Wohler Viper M PLUS
	Digital distance measurement
	GRP-rod 0.28" / 65'
	Stainless steel end pieces M10
	Protection tube
Article no. 3790	

Accessories
p. 131 ff.



Wohler Viper L

Cleaning of Medium-Sized Chimneys



Application

Cleaning of:

- ▶ Medium-sized chimneys
- ▶ Pipework
- ▶ Ventilation ducts

Advantages

- ▶ GRP-rod with resistant coating
- ▶ Very stable and therefore suitable for pushing very large stars
- ▶ Can be used as a pushing aid for Camera Trolley
- ▶ For mounting stars and brushes

Technical data

Cage diameter	23"
Weight	9.5 lbs incl. 50' GRP-rod 11.7 lbs incl. 66' GRP-rod
Brake	adjustable, additional transport lock

Wohler Viper L 50'

Scope of delivery	Wohler Viper L GRP-rod 0.35" / 50' Stainless steel end pieces M10 Protection tube
Article no.	9412

Wohler Viper L 65'

Scope of delivery	Wohler Viper L Digital distance measurement GRP-rod 0.35" / 65' Stainless steel end pieces M10 Protection tube
Article no.	9413

Accessories
p. 131 ff.

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Wohler Viper XL / XXL

Inspection and cleaning of large chimneys and air and ground pipes



Application

Inspection and cleaning of:

- ▶ Large chimneys
- ▶ Air pipes
- ▶ Basic lines
- ▶ Air-to-ground heat exchangers up to DN 250

Advantages

- ▶ GRP-rod with abrasion-resistant PA coating and metric
- ▶ Very stable and therefore suitable for very large linen stars or push broom
- ▶ For mounting linseed stars and whisks

Technical data

Cage diameter	31.5" / 31.5" / 39.4"
Weight	41.4 / 47.6 / 75.4 lbs incl. 98' / 164' / 328' GRP-rod

Wohler Viper XL 98'

Scope of delivery	Wohler Viper XL GRP-rod 0.4" / 98' // GRP-starholder 1.1" Stainless steel end pieces M10 Protection tube
Article no.	4399

Wohler Viper XL 164'

Scope of delivery	Wohler Viper XL GRP-rod 0.4" / 164' // GRP-starholder 1.1" Stainless steel end pieces M10 Protection tube
Article no.	3332

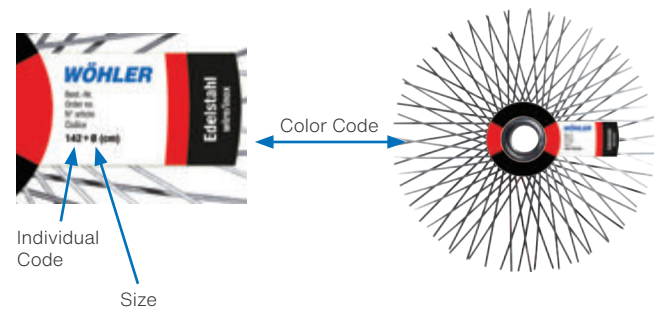
Wohler Viper XXL 328'

Scope of delivery	Wohler Viper XXL GRP-rod 0.4" / 328' // GRP-starholder 1.1" Stainless steel end pieces M10 Protection tube
Article no.	3337

Accessories
p. 131 ff.



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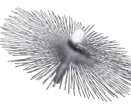




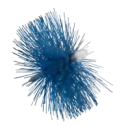


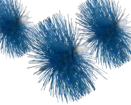
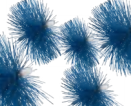
All Wöhler stars are marked with a label whose color combination gives you information about the material and degree of hardness. Save the label to order more stars of the same material: The combination of the code indicated on the label and the desired diameter gives the order number for your new star. (Example: 56" + 10" = Order No. 14225).



Color	Material	Hardness and properties
⊕	Stainless Steel Flat Wire (Not suitable for stainless steel pipes)	soft
⊕		medium hard
⊕		hard
⊕		very hard, In galvanized version
⊕	Stainless Steel Crimped Wire (For stainless steel pipes)	soft
⊕		medium hard
⊕		hard
⊕	PEK	soft (High Tech fiber for light sweeping, stable plastic bristles, heat tolerant up to approx. 356 °F)
	HT	soft (High Tech fiber for light sweeping, stable plastic bristles, heat tolerant up to approx. 482 °F)
⊕	Perlon	soft (Plastic bristles for stainless steel pipes, heat tolerant up to approx. 122 °F)
⊕	VA (Wire) corrugated	soft (for Star Brushes and Threaded Brushes)








IMPORTANT INFORMATIONS	
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 or pellet stoves. Heat tolerant to 300 °F	











Stars	Article no.
Star, Stainless Steel, Flat Wire	
6"	14015
8"	14120
10"	14125
12"	14130
14"	14135
16"	14140
20"	13350
24"	13360
32"	13380
Star, VA-Stainless Steel, Crimped Wire	
6"	14315
8"	14320
10"	14325
12"	14330
16"	3837
Star, PEK	
6"	13815
8"	13820
10"	13825
12"	13830
Star, Perlon	
6"	13715
8"	13720
10"	13725
12"	13730
16"	24
24"	3141
Star Kit, Stainless Steel	
3 x 8"	3709
6 x 10" / 6 x 12"	
Star Kit, PEK	
2 x 6" / 4 x 8" / 2 x 10"	3710
Mini Hole Star, HT	
3"	15907
4"	15910
5"	15913
6"	15915
8"	15920

Brushes	Article no.	
	Dome Brush, Perlon with M10 Thread	
	● 3"	7146
	● 4"	7147
	● 7"	1466
	● 10"	7102
	Threaded Brush, Stainless Steel, Flat Wire with M10 thread	
	● 10" / 2 layers	18525
	● 12" / 2 layers	18530
	● 14" / 2 layers	18535
	● 16" / 2 layers	1399
	Threaded Brush, Stainless Steel, Flat Wire with M10 thread	
	⊕ 8" / 2 layers	17920
	⊕ 6" / 3 layers	17415
	⊕ 8" / 3 layers	17420
	⊕ 10" / 3 layers	17425
	⊕ 12" / 3 layers	17430
	⊕ 14" / 3 layers	17435
	Threaded Brush, Stainless Steel, Crimped with M10 thread	
	● 8"	19120
	● 10"	19125
	● 12"	19130
	● 20"	19150
	● 24"	19160
	Push-head brush, Perlon with M 10 thread	
	3 layer Perlon	
	● 8" x 8"	8711
	● 8" x 13"	8712
	● 13" x 13"	8713

Brushes	Article no.	
	Threaded Brush, HT with M5 thread	
	● 3"	14607
	● 4"	14610
	● 5"	14613
	● 6"	14615
	● 8"	14620
	Threaded Brush, PEK with M10 thread	
	● 6"	18815
	● 8"	18820
	● 10"	18825
	Threaded Brush, Perlon with M10 thread	
	● 6"	18715
	● 8"	18720
	● 10"	18725
	● 12"	18730
	● 20"	18750
	Threaded Brush Kit, HT	
	● 4" / 6" / 8"	8181
	● 3" / 4" / 5" / 6" / 8"	8182
	Threaded Brush Kit, Perlon with M10 thread	5529
	● 8" / 10" / 12" / 14"	

Accessories GRP-rod	Article no.	
	GRP-rod with 2 stainless steel end pieces, M10 internal thread	
	0.35" / 50' / without metrication / red	7015
	0.35" / 65' / without metrication / red	7020
	0.35" / 50' / with metrication / black	9015
	0.35" / 65' / with metrication / black	9020
	0.43" / 164' / with metrication / yellow	4350
	GRP-rod Repair Kit with stainless steel end piece, screws and allen wrench	
	for GRP-rod 0.2"	3687
	for GRP-rod 0.28"	3696
	for GRP-rod 0.35"	3690
	for GRP-rod 0.43"	3691

Viper and Brush Adapter	Article no.	
	Adapter STST 3/8" with M10 inner thread to adapt Wohler brushes to rods	8520
	Rod connector 0.9"/2.75" with M10 inner thread	8524
	Brass Rod Connector with double-sided thread M10 for connecting several GRP-rods	1454
	Star Holder 1"	7979
	with M12 thread	39753
	Brake Adjustment Knob for handy viper	52388
	Protection Hose for sweeper coil 30"	9417
	Viper Rubber Feet	37703
	Guidance End Ball with threaded pin M5 for GRP-Rod 0.18", to hold Stars PEK	8063

Accessories Snap & Sweep® Regular	Article no.	
	Cleaning Rod Wohler Snap & Sweep® Regular with snap-in quick connectors 3"	1222
		Universal Rotary Head for Wohler Snap & Sweep® with snap in connectors
		Stainless Steel Chain for Wohler Snap & Sweep® 0.1" / 6 pcs.
	6"	24466
	10"	24467
	Nylon Wire for Wohler Snap & Sweep® 0.1" / 6 pcs.	
	12"	24468
	20"	24469
	Perlon Brush for Wohler Snap & Sweep®	
	6" 0.02" 2 layers	14415
	7" 0.03" 2 layers	14418
	8" 0.03" 2 layers	14420
	10" 0.03" 2 layers	14425
	12" 0.04" 2 layers	14430
	14" 0.05" 2 layers	14435
16" 0.08" 4 layers	15440	
	Drill Adaptor for Wohler Snap & Sweep® for cordless screwdriver	2942
	Carrying Bag for Wohler Snap & Sweep® rods	61062
	Protection Bag for sweeping attachments	55703
Mirror / Miscellaneous		Article no.
	Wohler Replacement Glass Mirror 3" x 6"	1108
	Mini Chimney Sweeper Dolls 500 pcs.	411

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Index

A

Air Quality Meter	
Wohler KM 410 Indoor Air Quality Meter	56
Wohler Academy	
The Wohler Academy Team	137
Individual Online Training	138
Adapter STST	117, 135
Adaptor Wipe Head	115
Air Temperature Plug	29
Aluminium Case XXL	118
App	
Wohler A 450 / 550 App	28
Wohler VIS 700 App	75

B

Backpack	28
Battery	97
Brake Adjustment Knob	117, 135
Brass Rod Connector	117, 135
Brushes	
Brush Head, Perlon	115
Centering Brush	75, 98
Dome Brush, Perlon	115, 133
Perlon Brush	136
Push-Head Brush, Perlon	116, 133
Threaded Brush, HT	116, 134
Threaded Brush, PEK	116, 134
Threaded Brush, Perlon	116, 134
Threaded Brush, Stainless Steel, Crimped	133
Threaded Brush, Stainless Steel, Flat Wire	133

C

Calibration Set	59
Camera cable	76
Camera cable extension	76
Camera heads	
Wohler miniature camera head 1"	97
Wohler pan- and tiltable camera head 1.5"	97
Wohler HD miniature camera head 1"	75
Wohler HD pan- and tiltable camera head 1.5"	75
Camera Holder	75, 98
Camera Roller Guide	75, 98
Camera Trolley	
Wohler VIS Camera Trolley	74, 96
Car Charger	97
Carrying Bag	28, 136
Charger	28
Clamping Cone	29, 32
Cleaning Rod	136
Clip (blue)	98
Combustion Analyzer	
Wohler A 450 / 450 L Combustion Analyzer	11, 13
Wohler A 550 / 550 L Combustion Analyzer	15, 17
Comparison Scale	31
Compressed Air Cleaning	
Wohler Compressed Air Cleaning	103, 104, 106
Compressed Air Whip	118

D

Datalogger	
Wohler CDL 210 CO ₂ -Datalogger	55
Dewpoint Meter	
Wohler TI 410 Dewpoint Meter	42
Drill Adaptor	136

E

Extension Cable	29
Extension Cable Hoset	29

F

Fan Anemometers	
Wohler FA 410 / 430 Fan Anemometer	57, 58

Wohler FA 410 / 430 Funnel	60
Wohler FA 410 / 430 Funnel Set	60
Filters	
Coarse Filters	30
CHP Filter	30
Pre-Filter	30
Replacement-Filter	30
Sinter-Filter stainless steel	29
Smoke Pump Filters	32
Wadding Filters	30
Water Stop Filters	30
Filter granulate	30
Filter Paper Dispenser	32
Flexible Capillary 10"	43
Flue Gas Analyzer	
Wohler A 550 INDUSTRIAL Flue Gas Analyzer	19, 21

G

Gas Sniffer	
Wohler GS 300 Gas Sniffer	40
Glass Dome	75, 97
GRP-rod	117, 135
GRP-rod Repair Kit	117, 135
Guidance Ball	75, 98
Guidance End Ball	117, 135
Guidance Set 100	75, 98
Guidance Set 70	75
Guidance Sleeve	75, 97
Guidance Sleeve with protection cage	75, 97

H

Handloop	43
Headphone	44
Heat Protective Shield	31
Helicopter Nozzle	118
Hose Assembly	29
Hose Reel	118
Hygrotemps	
Wohler IR Hygrotemp 24	53
Wohler RF 220 Hygrotemp	54

I

Inspection Cameras	
Wohler VIS 200 Inspection Camera	83
Wohler VIS 250 Inspection Camera	83
Wohler VIS 350 Inspection Camera	87
Wohler VIS 350 PLUS Inspection Camera	87
Wohler VIS 400 Cable Camera	91
Wohler VIS 400 Cable Reel Camera	91
Wohler VIS 400 Viper Camera	91
Wohler VIS 400 Visual Inspection Monitor	97
Wohler VIS 700 HD Inspection Camera	65
Wohler VIS 700 HD Inspection Camera Cable Camera Chimney	69
Wohler VIS 700 HD Inspection Camera Push Rod Camera	69
Wohler VIS 700 PLUS HD Inspection Camera Push Rod Camera	69

L

Light Rings	
Wohler Light Ring 1" / 1.5"	97
Wohler Light Ring 1" / 1.5" HD	75
Locator	
Wohler L 200 Locator	73, 95

M

Magnetic Holder	28
Manometer	
Wohler DM 2000 Digital Manometer	37, 38
Mini Chimney Sweeper Dolls	118, 136
Mirrors	
Wohler Chimney Mirror	93
Wohler Glas Mirror small / medium / large	94
Wohler Replacement Glass Mirror	118, 136

Moisture Meters	
Wohler HF 550 Wood Moisture Meter	25
Wohler HBF 420 Moisture Meter	26
Wohler HF 300 Wood Moisture Meter	27
Monoxide Meter	
Wohler CM 220 Carbon Monoxide Meter	41, 50

N

Nylon Wire	136
------------------	-----

P

Pitot Tube	29, 44
Plastic Arms 2" x 16" POM	75
Plastic Case MAXI / MIDI	28, 43, 98
Plastic Cone	30, 32
Power Supply	75, 97
Pressure Differential & Flow Meter	
Wohler DC 410 ^{FLOW} Pressure Differential & Flow Meter	39
Printer	
Wohler TD 100 Thermal Fast Printer	28, 43
Protection Bag	76, 136
Protection Hose	117, 135
Protection Sleeve	75
Protection Sleeve with cutout	97
Probes	
Air Temperature Probe	28, 43
Air Temperature Probe Upgrade Set	29
Combustion Air Temperature Probe	43
Connection Cable Hammer Probe	32
Electrodes Hammer Probe	32
Flexible Probe	29
Flue Gas Probe	29
Flue Gas Temperature Probe TF5	44, 59
Gas Probe	29
HD Probe	76
High Temperature Probe	30
Penetration Temperature Probe TF4	44, 59
Probe and Hose Assembly	29
S-Tube Probe	44
Special Wall Temperature Probe Type W-02	43, 59
Surface Temperature Probe	43
Surface Temperature Probe / TF1 / TF2 / TF3	44, 59
Telescopic Flow Probe	44
Velocity Probe Type S	29
Wood Moisture Probe	32
Wood Temperature Probe	32
Probe Brush	31
Probe Connector	31
Probe Extension	30
Probe Holder with Probe	31

R

Replacement Pins	32
Replacement Polycarbonate Dome	75, 97
Rod Connector	117, 135
Roller Guide Ball	118
Rubber Boot	43

S

Safety Pins	31
Sealing Set Ventilation	118
Sensors	
CO-Sensor 4,000 ppm for Wohler A 550	31
CO-Sensor 5,000 ppm for Wohler A 450 L	31
CO-Sensor 10,000 ppm for Wohler A 450	31
CO-Sensor 10,000 ppm (H ₂ -comp.) for Wohler A 450	31
CO-Sensor 35,000 ppm for Wohler A 550 L	31
CO-Sensor 100,000 ppm for Wohler A 450 L	31
CO ₂ NDIR-Sensor 0...40 Vol. % for Wohler A 550 / 550 IND	31
CO _H -Sensor 100,000 ppm for Wohler A 550 / 550 IND	31
CO _N -Sensor 10,000 ppm (H ₂ -comp.) for Wohler A 550 / 550 IND	31
H ₂ S-Sensor 350 ppm for Wohler A 550 / 550 IND	31
NO ₂ -Sensor 3,000 ppm for Wohler A 550 / 550 IND	31
NO-Sensor 1,000 ppm for Wohler A 550 / 550 IND	31

NO-Sensor 3,000 ppm for Wohler A 450 L / 450	31
O ₂ -Sensor 0...21 Vol. % for Wohler A 450 L / 450	31
O ₂ -Sensor 0...21 Vol. % for Wohler A 550 / 550 IND	31
SO ₂ -Sensor 5,000 ppm for Wohler A 550 / 550 IND	31
Smoke Pump	
Wohler RP 72 Smoke Pump	23, 24
Snap & Sweep®	
Wohler Snap & Sweep® Regular	123
Software	
PC-Software Wohler A 450 / 550	28
Special Servicing Oil	32
Spiral	31
Stainless Steel Chain	136
Stars	
Mini Hole Star, HT	115, 132
Star, PEK	115, 132
Star, Perlon	115, 132
Star, Stainless Steel, Flat Wire	132
Star, VA-Stainless Steel, Crimped Wire	132
Star Holder	117, 135

T

Telescope Set	60
Telescopic Pole	76, 98
Telescopic-rod	60
Thermal Paper	28, 43
Thermocouple	30
Thermometers	
Wohler DT 310 Differential Thermometer	49
Wohler IR Temp 210 Infrared Thermometer	52
Wohler IR Temp 310 Infrared Thermometer	51
Threaded Cone stainless steel	30
Transport Case	43

U

Universal Rotary Head	136
USB Peltier Cooler	30

V

Video Endoscopes	
Wohler VE 200 HD Video Endoscope	72
Wohler VE 400 HD Video Endoscope	71
Video-Endoscope connection cable	76
Vipers	
Wohler DH 420 Pneumatic Viper	105, 106
Wohler Rotary Viper Heavy-Duty	124
Wohler Rotary Viper M10	111
Wohler Rotary Viper M5	113
Wohler Viper S	107, 125
Wohler Viper S PLUS	108, 126
Wohler Viper M	109, 127
Wohler Viper M PLUS	110, 128
Wohler Viper L	129
Wohler Viper XL	130
Wohler Viper XXL	130
Viper Rubber Feet	117, 135

W

Wadding Rolls	32
Wiping Cloths	115





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