

**WÖHLER**

# VISUAL INSPECTION SYSTEMS

# CAMERAS FOR THE PROFESSIONALS



## The Measure of Technology



Made in  
Germany

# Wöhler Catalog 2020

## Visual Inspection Systems

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# HD Visual Inspection

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Product Overview

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		<b>Wöhler VIS 700</b> HD Visual Inspection System Push rod camera	<b>Wöhler VIS 700</b> HD Visual Inspection System Cable camera
<b>Applications</b>			
Dry environments e.g. Flue Gas Systems	from Ø 125 mm	•	• from top
	Ø 100 to Ø 125 mm	•	• from top
	Ø 70 to Ø 100 mm	•	• from top
	Ø 40 to Ø 70 mm	•	• from top
	Ø 6 to Ø 40 mm		
Wet environments e.g. Waste Water pipes	from Ø 40 mm	•	
	Ø 6 to Ø 40 mm		
Twin walls, cavities, ducts		•	• from top
<b>Operation features</b>			
Camera heads		Ø 26 / 40 mm	Ø 26 / 40 mm
Video memory (SD and USB storage)		SD Card 32 GB	SD Card 32 GB
Focus	electronically adjustable focus range	•	•
Quick Keys	Photo, Video and Focus	•	•
Live image transmission via Wireless LAN		•	•
Documentation	photo, video and voice recording, text descriptions via touch screen	•	•
DM = digital distance counter (resolution 0,023 m)		•	
MC = cable with length marking (resolution 0,1 m)			•
Locating the camera head with Wöhler L 200 Locator		•	•
Centering of the pan- and tiltable camera head (home function)		•	•

• = included

# Wöhler VIS 700 HD Visual Inspection System

Visual inspection of sewers / air ducts / exhaust systems



Product video at [woehler-international.com/P\\_16510](http://woehler-international.com/P_16510)

### Application

- Analyze damage and inspect:
- ▶ House connection pipes up to Ø 200 mm
  - ▶ NDT applications
  - ▶ Flue gas systems of Ø 56 mm and larger
  - ▶ Ventilation system ductwork
  - ▶ False ceilings, hollow spaces, shafts
  - ▶ Industrial machines / plant
  - ▶ Waste water lines of Ø 70 mm and larger

### Advantages

- ▶ High Definition picture
- ▶ Focus control via joystick
- ▶ Adjustable sonde frequency
- ▶ Voice recording / photo function
- ▶ Touch screen keyboard for written commentary

Technical data			
Monitor	Monitor	TFT display	7" /16:9 format
		Resolution	1.280 x 800 px
		Service life	4 h
Wöhler HD pan- and tilttable camera head Ø 40	Wöhler HD pan- and tilttable camera head Ø 40	Viewing angle	70°
		Focus distance	27 mm...∞
		Resolution	1.280 x 720 px
		Protection	waterproof to IP 67
		Dimensions	Ø 40 x 60 mm
		Transmission Frequency Locator	9,2 kHz
Wöhler HD miniature camera head Ø 26	Wöhler HD miniature camera head Ø 26	Viewing angle	150°
		Focus distance	Fixed focus
		Resolution	1.280 x 720 px
		Protection	waterproof to IP 68
		Dimensions	Ø 26 x 38 mm
		Transmission Frequency Locator	9,2 kHz
Push rod	Push rod	Length	30 m
		Diameter	8,6 x 5,6 mm (oval)
Distance measurement		Electronic distance counter	
Detailed technical data can be found under <a href="http://woehler-international.com/P_16510.dl">woehler-international.com/P_16510.dl</a>			



Fast cleaning for lasting hygiene: Simply splash the robust case and the viper with water.



Ready for use in less than a minute thanks to the case system.



Preset or own text comments can be added to pictures. Videos can have optional voice recording.



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

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[woehler-international.com/P\\_16510](http://woehler-international.com/P_16510)

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		Wöhler VIS 700 HD Visual Inspection System Push rod camera	Wöhler VIS 700 HD Visual Inspection System Cable camera chimney Set
Scope of delivery	Wöhler VIS 700 Monitor with 7" HD TFT-broad band color monitor incl. 1,5 m connection cable	•	
	Wöhler VIS 700 Monitor with 7" HD TFT-broad band color monitor		•
	Glare shield	•	•
	Lithium-ion rechargeable battery	•	•
	Wöhler HD pan- and tiltable camera head Ø 40, detachable	•	•
	SD Card 32 GB	•	•
	Camera rod 8,6 x 5,6 mm/30 m	•	
	Camera cable 20 m with metric marking		•
	3 replacement plastic domes	•	•
	Anti-slide mat	•	
	USB charger with USB-C cable	•	•
	Plastic case	•	•
	Carrying strap		•
	Camera holder		•
Article no.		7450 J	7454 J

• = included

Accessories	
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**Wöhler VIS 700 App**  
1 camera – 2 displays with the Wöhler VIS 700 App  
The free Wöhler VIS 700 app allows camera control and video streaming on your smartphone / tablet. It can't get much more comfortable.

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

Download on the App Store

GET IT ON Google Play



Wöhler L 200 Locator

Exact Localization of the Camera Head



Product video at [woehler-international.com/7430](http://woehler-international.com/7430)



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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 Ø 26 / 40 mm

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	
Detailed technical data can be found under <a href="http://woehler-international.com/7430.dl">woehler-international.com/7430.dl</a>		

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

Application

- Optimal guiding of the camera head:
- ▶ In ventilation lines from Ø 150 mm /150 x 150 mm
  - ▶ In drain ducts from Ø 150 mm /150 x 150 mm
  - ▶ In drawn chimneys from Ø 150 mm /150 x 150 mm

Advantages

- ▶ Suitable for:
  - All Wöhler VIS camera heads (Ø 26 / 40 mm)
  - 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 700 g light

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

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




















Wöhler VIS Camera Trolley






Optimal guidance of the camera head







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[woehler-international.com/4705](http://woehler-international.com/4705)

Accessories	HD Inspection Technology	Article no.
	<b>Wöhler HD miniature camera head Ø 26</b> for Wöhler VIS 700 detachable, digital, color, with leather protection bag	7613 J
	<b>Wöhler HD pan- and tiltable camera head Ø 40</b> for Wöhler VIS 700 detachable, digital, color, with leather protection bag	8859 J
	<b>Light Ring Ø 26 / 40 HD</b> for HD camera heads Ø 26 / 40 mm detachable, with 18 white LEDs	8818 J
	<b>Wöhler VIS Guidance Set 70</b> for camera head Ø 26 mm	3883 J
	<b>Wöhler Guidance Set 100</b> for camera head Ø 40 mm	4240 J
	<b>Camera holder</b> for camera head Ø 40 mm	7068 J
	<b>Camera Spring Guide</b> for camera head Ø 40 mm	7081 J
	<b>Protection Sleeve</b> for camera head Ø 40 mm	2641 J
	<b>Replacement Plastic Dome</b> for camera head Ø 40 mm 10 pcs.	3675 J
	<b>Glass Dome</b> for camera head Ø 40 mm	3674 J
	<b>Roller Guide</b> for camera heads and push rods	3681 J
	<b>Guidance Ball</b> for camera heads and push rods	3634 J
	<b>Centering Brush</b> for camera heads and push rods	3850 J
	<b>Centering Brush</b> for camera heads and push rods	3854 J
	<b>Centering Brush Extension</b> for camera heads and push rods	3853 J
	<b>Spare Brushes</b> for centering brushes 24 pieces	3858 J
	<b>Stabilization Sleeve</b> for camera heads Ø 26 / 40 mm in combination with light ring	6557 J
	<b>Stabilization Tube</b> for camera heads Ø 26 / 40 mm in combination with Wöhler Snap & Sweep®	21736 J
	<b>Push adapter for stabilisation sleeve</b> for camera heads Ø 26 / 40 mm	1387 J

Accessories	HD Inspection Technology	Article no.
	<b>Wöhler Telescopic Pole</b> with flexible 30 cm gooseneck for Wöhler VIS 700 length of telescopic pole 90 to 160 cm plus gooseneck length of telescopic pole 90 to 340 cm plus gooseneck	7670 O 7659 O
	<b>Camera cable</b> for Wöhler VIS 700 with metric marking 30 m	11012 J
	<b>Camera cable extension</b> for Wöhler VIS 700 with metric marking 10 m 20 m 30 m	11425 J 11426 J 11427 J
	<b>Wöhler VIS Cleaning Set</b> with plastic case Scope of delivery: 1 liter disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 200 ml lubricant, plastic case for approx. 50 applications	4725 I
	<b>Wöhler VIS Cleaning Set Refill</b> with plastic bag Scope of delivery: 1 liter disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 200 ml lubricant, plastic bag for approx. 50 applications	4726 O

Complementary Cleaning Tools		Article no.
	<b>Wöhler Viper L</b> for cleaning large chimneys / ducts / ventilation ducts Scope of delivery: Wöhler Viper L, push rod Ø 9 mm / 20 m long, two stainless steel end pieces M10, star holder, proection tube 80 cm long	9413 I
	<b>Wöhler Snap &amp; Sweep® Regular</b> Professional Set "Chimney" Scope of delivery: 10 cleaning rods with snap in quick connectors, carrying bag rods, perlon brush Ø 25 cm / 0,8 mm, universal rotary head with nylon wires 3 mm / 6 x 50 cm, stainless steel chains Ø 3 mm / 6 x 25 cm, adapter for cordless screwdriver, protection bag brushes	7779 A
	<b>Wöhler Snap &amp; Sweep® Soft</b> Professional Set "Ventilation" Scope of delivery: 10 cleaning rods with snap in quick connectors, carrying bag rods, perlon brush Ø 25 cm / 0,8 mm, universal rotary head with nylon wires 3 mm / 6 x 50 cm, drill adaptor, protection bag brushes	8365 A
	<b>Wöhler Snap &amp; Sweep® Strong</b> Professional Set "Large Chimney" Scope of delivery: 10 cleaning rods with snap in quick connectors, carrying bag rods, push head adapter threaded / perlon brush	2200 A



## Visual Inspection

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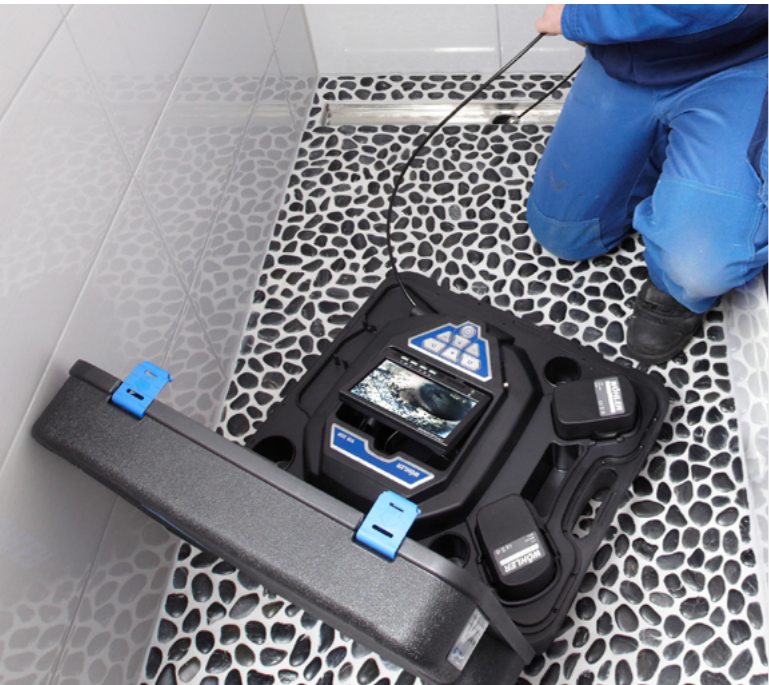
Product Overview

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Applications		Wöhler VIS 200 / 250 Visual Inspection System	Wöhler VIS 300 / 350 Visual Inspection System	Wöhler VIS 350 PLUS Visual Inspection System	Wöhler VIS 400 Visual Inspection Modular System
Main application		Inspection of ducts / air ducts / exhaust systems	Inspection of sewage and air ducts / exhaust systems	Inspection of sewage and air ducts / exhaust systems	Inspection of sewage and air ducts / exhaust systems
Dry environments e.g. Flue Gas Systems	from Ø 125 mm		•	•	•
	Ø 100 to Ø 125 mm	•	•	•	•
	Ø 70 to Ø 100 mm	•	•	•	•
	Ø 40 to Ø 70 mm	•		•	•
Wet environments e.g. Waste Water pipes	from Ø 125 mm		•	•	•
	Ø 70 to Ø 125 mm		•	•	•
	Ø 40 to Ø 70 mm	•		•	•
Twin walls, cavities, ducts		•	•	•	•
Operation features (depending on model)					
Camera heads		Wöhler miniature camera head Ø 26	Wöhler pan- and tiltable camera head Ø 40	Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26	Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26 (optional)
Video memory		SD Card 4 GB	SD Card 4 GB	SD Card 4 GB	SD Card 4 GB
DM = digital distance counter (resolution > 0,04 ml)		•	•	•	•
Video Output (RCA)		•	•	•	•
Built-in sonde for location with Wöhler L 200 Locator		•	•	•	•
Still photo		• only VIS 250	• only VIS 350	•	•
Audio recording					•

• = included

# Wöhler VIS 200 / 250 Visual Inspection System

Inspection of ducts / air ducts / exhaust systems




### Application

- Analyze damage and inspect:
- ▶ Waste water pipes of Ø 40 – 125 mm and larger
  - ▶ Ventilation ducts of Ø 56 – 80 mm and larger
  - ▶ Inspect hollow spaces, e.g. in front-wall installations
  - ▶ Flue gas lines up to approx. Ø 125 mm

### Advantages

- ▶ Waterproof, light-sensitive camera head with a diameter of just 26 mm easily takes several bends
- ▶ Distance counter displayed on monitor (only Wöhler VIS 250)
- ▶ Fully equipped mobile solution in a robust, plastic case
- ▶ Bright TFT color monitor for razor-sharp images
- ▶ Tilttable and removable monitor
- ▶ Picture and Video recording (only Wöhler VIS 250)

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
	Service life	4 h
Wöhler miniature camera head Ø 26	Viewing angle	145°
	Resolution	768 x 576 px
	Protection	waterproof to IP 68
	Dimensions	Ø 26 x 60 mm
	Transmission	512 Hz
	Frequency Locator	8.9 kHz 9.2 kHz
Push rod	Length	20 / 30 m
	Diameter	Ø 6,5 mm
Distance measurement	Electronic distance counter	
Detailed technical data can be found under <a href="http://woehler-international.com/P_86.dl">woehler-international.com/P_86.dl</a>		





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



The robust color camera head is waterproof to IP 68 rating. With a diameter of just 26 mm it easily negotiates bends in ducts of Ø 40 mm and larger.



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



Tilttable and removable TFT wide-screen color monitor.

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[woehler-international.com/P\\_86](http://woehler-international.com/P_86)

Product selection  
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Accessories  
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		Wöhler VIS 200 Visual Inspection System Basic Set	Wöhler VIS 200 Visual Inspection System Standard Set	Wöhler VIS 250 Visual Inspection System Basic Set	Wöhler VIS 250 Visual Inspection System Standard Set
Scope of delivery	Wöhler VIS 200 Visual Inspection System	•	•		
	Wöhler VIS 250 Visual Inspection System			•	•
	Wöhler miniature camera head Ø 26 mm	•	•	•	•
	7" TFT color monitor with 2 m connection cable	•	•	•	•
	Push rod Ø 6 mm	•	•	•	•
	Electronic distance counter	•	•	•	•
	Anti-slide mat	•	•	•	•
	1 NiMH battery with charger	•	•	•	•
	Plastic case	•	•	•	•
	Photo and video record			•	•
	Video settings			•	•
	Level indicator			•	•
	SD Card 4 GB and Mini-USB cable			•	•
	Push rod 20 m	•		•	
	Push rod 30 m		•		•
Article no.		8992 J	5702 J	8993 J	8994 J

• = included

Accessories	
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# Wöhler VIS 300 / 350 Visual Inspection System

Inspection of pipes / air ducts / exhaust systems



Product video at [woehler-international.com/P\\_107](http://woehler-international.com/P_107)



### Application

Analyze damage and inspect:

- ▶ Waste water lines of Ø 70 mm and larger
- ▶ House connections up to Ø 200 mm
- ▶ Flue gas systems of Ø 56 mm and larger
- ▶ Ventilation lines of ventilation systems
- ▶ False ceilings, hollow spaces, shafts

### Advantages

- ▶ Keep your sense of orientation with home function – camera aligns itself automatically
- ▶ 4 hours flexibility – 2 rechargeable batteries for lasting mobility (optional)
- ▶ Built-in location transmitter facilitates wireless location detection
- ▶ Distance counter displayed on monitor (only Wöhler VIS 350)
- ▶ Fully equipped mobile solution in a robust, plastic case
- ▶ Bright TFT color monitor for razor-sharp images
- ▶ Picture and Video recording ( only Wöhler VIS 350)

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
	Service life	4 h
Wöhler pan- and tiltable camera head Ø 40	Viewing angle	130°
	Resolution	768 x 576 px
	Protection	waterproof to IP 67
	Dimensions	Ø 40 x 60 mm
	Transmission	512 Hz
	Frequency Locator	8.9 kHz 9.2 kHz
Push rod	Length	20 / 30 m
	Diameter	Ø 6,5 mm
Distance measurement	Electronic distance counter	
Detailed technical data can be found under <a href="http://woehler-international.com/P_107.dl">woehler-international.com/P_107.dl</a>		



The Wöhler 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.



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



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.



The 100' push rod and the pan- and tiltable camera head Ø 40 mm make sure nothing in the house supply line remains hidden from your view.

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[woehler-international.com/P\\_107](http://woehler-international.com/P_107)

Product selection

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Accessories

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		Wöhler VIS 300 Visual Inspection System Basic Set	Wöhler VIS 300 Visual Inspection System Standard Set	Wöhler VIS 350 Visual Inspection System Basic Set	Wöhler VIS 350 Visual Inspection System Standard Set
Scope of delivery	Wöhler VIS 300 Visual Inspection System	•	•		
	Wöhler VIS 350 Visual Inspection System			•	•
	Wöhler pan- and tiltable camera head Ø 40	•	•	•	•
	7" TFT color monitor with 2 m connection cable	•	•	•	•
	Push rod Ø 6,5 mm	•	•	•	•
	Electronic distance counter	•	•	•	•
	Anti-slide mat	•	•	•	•
	5 replacement plastic domes	•	•	•	•
	1 NiMH battery with charger	•	•		
	2 NiMH battery with charger			•	•
	Plastic case	•	•	•	•
	Photo and video record			•	•
	Video settings			•	•
	Level indicator			•	•
	Home function			•	•
	SD Card 4 GB and Mini-USB cable			•	•
	Push rod 20 m	•		•	
	Push rod 30 m		•		•
Article no.		8788 J	8789 J	8794 J	8792 J

• = included

Accessories

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# Wöhler VIS 350 PLUS Visual Inspection System

Inspection of pipes / air ducts / exhaust systems



Product video at [woehler-international.com/P\\_107](http://woehler-international.com/P_107)



### Application

Analyze damage and inspect:

- ▶ Waste water lines of Ø 40 mm and larger
- ▶ House connections up to Ø 200 mm
- ▶ Flue gas systems of Ø 40 mm and larger
- ▶ Ventilation ducts
- ▶ False ceilings, hollow spaces, shafts
- ▶ Industrial machines

### Advantages

- ▶ Wide range of applications due to interchangeable camera heads (Ø 26 / 40 mm)
- ▶ Quick & simple change of heads
- ▶ Position of camera head indicated in the display
- ▶ Keep your sense of orientation with home function – camera aligns itself automatically
- ▶ Picture and video recording
- ▶ 2 batteries for up to 4 hours operation
- ▶ Built-in location transmitter facilitates wireless location detection

### 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
Wöhler pan- and tiltable camera head Ø 40	Service life	4 h
	Viewing angle	130°
	Resolution	768 x 576 px
	Protection	waterproof to IP 67
	Dimensions	Ø 40 x 60 mm
Wöhler miniature camera head Ø 26	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	Ø 26 x 38 mm
	Transmission Frequency Locator	512 Hz 8.9 kHz 9.2 kHz
Distance measurement	Length	30 m
	Diameter	Ø 6,5 mm
Detailed technical data can be found under <a href="http://woehler-international.com/P_107.dl">woehler-international.com/P_107.dl</a>		

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Accessories  
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The Wöhler 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.



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



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.



The 30 m push rod and the pan- and tiltable camera head Ø 40 mm make sure nothing in the house supply line remains hidden from your view.



		Wöhler VIS 350 PLUS Visual Inspection System Basic Set	Wöhler VIS 350 PLUS Visual Inspection System Professional Set
Scope of delivery	Wöhler VIS 350 PLUS Visual Inspection System	•	•
	Wöhler pan- and tiltable camera head Ø 40	•	•
	Wöhler miniature camera head Ø 26		•
	7" TFT color monitor with 2 m connection cable	•	•
	Push rod Ø 6,5 mm	•	•
	Electronic distance counter	•	•
	Anti-slide mat	•	•
	5 replacement plastic domes	•	•
	2 NiMH battery with charger	•	•
	Plastic case	•	•
	Picture and video recording	•	•
	Video settings	•	•
	Level indicator	•	•
	Home function	•	•
	SD Card 4 GB and Mini-USB cable	•	•
	Push rod 30 m	•	•
Article no.		8991 J	8955 J

• = included

Accessories

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# Wöhler VIS 400 Visual Inspection Modular System

Inspection of sewage and air ducts / exhaust systems




**Application**

- ▶ Inspection of vents and flues
- ▶ Top down chimney inspection
- ▶ Flues from Ø 56 mm
- ▶ Chimneys (from bottom up for chimneys up to 14 x 14 cm)
- ▶ Air ducts from Ø 50 mm
- ▶ Sewers from Ø 70 mm

**Advantages**

- ▶ Waterproof rotatable and tiltable camera head Ø 40 mm 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 Wöhler camera heads can be used – therefore a wide range of applications
- ▶ Camera head with integrated radio transmitter – Locating Damaged areas possible with the Wöhler L 200 Locator

Technical data		
Monitor	TFT display	7" / 16:9 format
	Video-Out	RCA signal
	Power Supply	Batteries or via power supply unit
	Service life	2 h
Wöhler pan- and tiltable camera head Ø 40	Viewing angle	130°
	Resolution	768 x 576 px
	Protection	waterproof to IP 67
	Dimensions	Ø 40 x 60 mm
	Transmission Frequency Locator	512 Hz 8.9 kHz 9.2 kHz
Camera cable	Length	20 / 30 / 50 m
		Cable Metering
Cable Reel with camera cable	Length	20 / 30 m Electronic meter counter
Camera Viper	Length	20 / 30 m
		Electronic meter counter
	Diameter	Ø 6,5 / 7 mm
Detailed technical data can be found under <a href="http://woehler-international.com/P_128.dl">woehler-international.com/P_128.dl</a>		



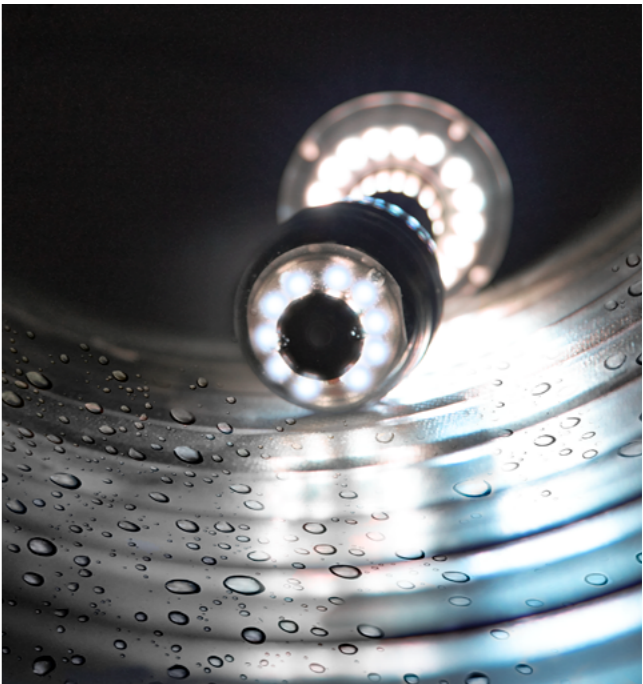
Put your camera system together to suit your requirements and wishes.



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 ducts and low-reflection, sooty chimneys.


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[woehler-international.com/P\\_128](http://woehler-international.com/P_128)




Product selection






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Accessories

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		Wöhler VIS 400 Cable Camera Basic Set	Wöhler VIS 400 Cable Camera Standard Set	Wöhler VIS 400 Cable Camera Professional Set	Wöhler VIS 400 Cable Reel Camera Basic Set	Wöhler VIS 400 Cable Reel Camera Standard Set
Scope of delivery	Wöhler VIS 400 Colour monitor	•	•	•	•	•
	Protective bag with glare shield	•	•	•	•	•
	Wöhler pan- and tiltable camera head Ø 40, detachable	•	•	•	•	•
	Wöhler Light Ring 26 / 40, detachable	•	•	•	•	•
	SD Card 4 GB and Mini-USB cable	•	•	•	•	•
	Lithium-ion rechargeable battery	•	•	•	•	•
	Plastic case (for Colour monitor)	•	•	•	•	•
	XXL Alu case				•	•
	Camera cable 20 m / Cable Metering	•				
	Camera cable 30 m / Cable Metering		•			
	Camera cable 50 m / Cable Metering			•		
	Cable Reel with camera cable 20 m / Electronic meter counter				•	
	Cable Reel with camera cable 30 m / Electronic meter counter					•
	Article no.	4442 J	4454 J	4456 J	4453 J	4462 J

• = included

Accessories

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		Wöhler VIS 400 Push rod camera Basic Set	Wöhler VIS 400 Push rod camera Standard Set	Wöhler VIS 400 Push rod camera Professional Set	Wöhler VIS 400 Push rod camera Basic Set	Wöhler VIS 400 Push rod camera Standard Set
Scope of delivery	Wöhler VIS 400 Colour monitor	•	•	•	•	•
	Protective bag with glare shield	•	•	•	•	•
	Wöhler pan- and tiltable camera head Ø 40	•	•	•	•	•
	Wöhler Light Ring 26 / 40	•	•	•	•	•
	SD Card 4 GB and Mini-USB cable	•	•	•	•	•
	Lithium-ion rechargeable battery	•	•	•	•	•
	Plastic case (for Colour monitor)	•	•	•	•	•
	XXL Alu case	•	•	•	•	•
	10 replacement plastic domes	•	•	•	•	•
	Roller Guide	•	•	•	•	•
	Electronic meter counter	•	•	•	•	•
	Push rod Ø 6,5 mm	•	•	•		
	Push rod Ø 7 mm				•	•
	Push rod 20 m	•			•	
	Push rod 30 m		•	•		•
Article no.		4754 J	4755 J	4758 J	4759 J	4760 J

• = included

Accessories

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# Wöhler L 200 Locator

Exact Localization of the Camera Head



Product video at [woehler-international.com/7430](http://woehler-international.com/7430)



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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 Ø 26 / 40 mm

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	
Detailed technical data can be found under <a href="http://woehler-international.com/7430.dl">woehler-international.com/7430.dl</a>		

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

Application

- Optimal guiding of the camera head:
- ▶ In ventilation lines from Ø 150 mm /150 x 150 mm
  - ▶ In drain ducts from Ø 150 mm /150 x 150 mm
  - ▶ In drawn chimneys from Ø 150 mm /150 x 150 mm

Advantages

- ▶ Suitable for:
  - All Wöhler VIS camera heads (Ø 26 / 40 mm)
  - 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 700 g light

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

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














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# Wöhler VIS Camera Trolley






Optimal guidance of the camera head

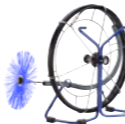


Accessories Inspection Technology		Article no.
	<b>Wöhler VIS 400 Colour monitor</b> Scope of delivery: Wöhler VIS 400 Colour monitor, plastic case, protective bag with glare shield, SD Card 4 GB and Mini-USB cable, Lithium-ion rechargeable battery	4781 J
	<b>Wöhler miniature camera head Ø 26</b> for Wöhler VIS Cameras detachable, flexible connection to the camera rod, with leather protection bag	8920 J
	<b>Wöhler pan- and tiltable camera head Ø 40</b> for Wöhler VIS Cameras detachable, flexible connection to the camera rod, with leather protection bag	8930 J
	<b>Light Ring Ø 26 / 40</b> for camera heads Ø 26 / 40 mm detachable, with 18 white LEDs	8894 J
	<b>Supplementary Light Ring</b> for camera heads Ø 26 / 40 / 51 mm with guidance weight incl. battery pack with four AA batteries 1,5 V in cordura bag	9377 J
	<b>Car charger 18 V</b> for Wöhler VIS 2xx / 3xx / 400	3169 J
	<b>Power Supply</b> for Wöhler VIS 2xx / 3xx / 400 approx. charge time 3 hours	
	EU adaptor only	3789 K
	with adaptors for all countries	4798 K
	<b>Battery 12 V NiMh 2600 mAh</b> for Wöhler VIS 2xx / 3xx approx. charge time 2 hours	4715 J
	<b>Wöhler VIS Cleaning Set</b> with plastic case  Scope of delivery: 1 liter disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 200 ml lubricant, plastic case for approx. 50 applications	4725 I
	<b>Wöhler VIS Cleaning Set Refill</b> with plastic bag  Scope of delivery: 1 liter disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 200 ml lubricant, plastic bag for approx. 50 applications	4726 O

Accessories Inspection Technology		Article no.
	<b>Guidance Sleeve</b> for camera head Ø 26 mm	3827 J
	<b>Guidance Sleeve with protection cage</b> for camera head Ø 26 mm	3847 J
	<b>Protection Sleeve</b> for camera head Ø 40 mm	2641 J
	<b>Replacement Plastic Dome</b> for camera head Ø 40 mm 10 pcs.	3675 J
	<b>Glass Dome</b> for camera head Ø 40 mm	3674 J
	<b>Wöhler VIS Guidance Set 70</b> for camera head Ø 26 mm	3883 J
	<b>Guidance Set 100</b> for camera head Ø 40 mm	4240 J
	<b>Centering Brush</b> for camera heads and push rods	3850 J
	<b>Centering Brush</b> for camera heads and push rods	3854 J
	<b>Centering Brush Extension</b> for camera heads and push rods	3853 J
	<b>Relining Adapter</b> for Wöhler VIS 3xx / 400 for reverse view	6888 J

Accessories	Inspection Technology	Article no.
	<b>Camera Spring Guide</b> for camera heads and push rods	7092 J
	<b>Camera holder</b> for camera head Ø 40 mm	3720 J
	<b>Roller Guide</b> for camera heads and push rods	3681 J
	<b>Stabilization Tube</b> for camera heads Ø 26 / 40 mm	21736 J
	<b>Stabilisation Sleeve</b> for camera head Ø 51 mm	22182 K
	<b>Spare Brushes</b> for centering brushes 24 pieces	3858 J
	<b>Guidance Ball</b> for camera heads and push rods	3634 J
	<b>Guidance weight</b> for camera heads and push rods 740 g, stainless steel, to let down the camera head (e.g. in a chimney)	3857 J
	<b>Additional glare protection</b> for Wöhler VIS 2xx / 3xx	6814 J
	<b>Anti-slide mat</b>	3252 J
	<b>Wöhler Telescopic Tube</b> with flexible 0,3 m gooseneck for all camera heads  Length of the telescopic tube 0,9 to 1,6 m plus gooseneck	7005 O
	  Length of the telescopic tube 0,9 to 3,4 m plus gooseneck	7024 J

Accessories Inspection Technology		Article no.
	<b>Wöhler Camera Viper</b> with electronic meter counter, belt holder and stand	
	push rod Ø 6,5 mm / 20 m, blue	7302 J
	push rod Ø 6,5 mm / 30 m, blue	7301 J
	push rod Ø 7 mm / 20 m, red	7309 J
	push rod Ø 7 mm / 30 m, red	7307 J
	push rod Ø 6 mm / 20 m, black	7308 J
	push rod Ø 6 mm / 30 m, black	7336 J
	<b>Cable Reel with camera cable</b> with electronic meter counter	
	20 m	6310 J
	30 m	4166 J
	<b>Camera Cable</b>	
	with metric marking 20 m	9172 J
	with metric marking 30 m	7812 J
	without metric marking 50 m	7845 J
	<b>Camera Extension Cable</b>	
	with metric marking 30 m	8048 J
	with metric marking 10 m	8636 J
		<b>Wöhler lowering aid</b> for camera cable & push rods extendable from 22 to 40 cm

Complementary Cleaning Products		Article no.
	<b>Wöhler Viper L</b> for cleaning large chimneys / ducts / ventilation ducts	9413 I
	Scope of delivery: Wöhler Viper L, push rod Ø 9 mm / 20 m long, two stainless steel end pieces M10, star holder, proection tube 80 cm long	

# Wöhler 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 30 to 54 cm



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Wöhler Chimney Mirror Small		
Scope of delivery	High gloss chrome-plated metal mirror 7 x 10 cm	
	Imitation leather cover	
		Article no. 1015 O
Wöhler Chimney Mirror Small with telescopic handle		
Scope of delivery	High gloss chrome-plated metal mirror 7 x 10 cm	
	Imitation leather cover	
	Telescopic handle extendable up to 54 cm	
		Article no. 1748 O

# Wöhler 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 20 to 99 cm

Wöhler Glass Mirror small with telescopic handle		
Scope of delivery	Glass mirror 2,6 x 7 cm	
	Imitation leather cover	
	Telescopic handle extendable up to 99 cm	
	Ball joint (pan and tilt)	
	Aluminium edge protection	
		Article no. 8064 O
Wöhler Glass Mirror medium with telescopic handle		
Scope of delivery	Glass mirror 5 x 8 cm	
	Imitation leather cover	
	Telescopic handle extendable up to 99 cm	
	Ball joint (pan and tilt)	
	Aluminium edge protection	
		Article no. 8059 O
Wöhler Glass Mirror large with telescopic handle		
Scope of delivery	Glass mirror 8 x 15 cm	
	Imitation leather cover	
	Telescopic handle extendable up to 99 cm	
	Ball joint (pan and tilt)	
	Aluminium edge protection	
		Article no. 8087 O

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# (HD) Endoscopy

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Wöhler VE 400 HD Video Endoscope	51
Wöhler VE 320 Video Endoscope	52
Accessories	53



Product Overview

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		Wöhler VE 200 HD Video Endoscope	Wöhler VE 400 HD Video Endoscope	Wöhler VE 320 Video Endoscope
Applications	Dry environments e.g. Flue Gas Systems	Ø 40 to Ø 70 mm	•	•
		Ø 6 to Ø 40 mm	•	•
	Wet environments e.g. Waste Water pipes	Ø 40 to Ø 70 mm	•	•
		Ø 6 to Ø 40 mm	•	•
	Twin walls, cavities, ducts	•	•	•
Operation features				
Camera heads		Ø 3,9 / 5,5 / 8,5 / 25 mm	Ø 3,9 / 5,5 / 25 mm	Ø 5,5 / 8,5 / 25 mm
Video memory		device dependent	Micro-SD Card 32 GB	Micro-SD Card 32 GB
Live image transmission via Wireless LAN		•		
Documentation: damage descriptions via touch screen and recording of voice recording			•	
HD videoskop combi probe 0°/90°			•	

• = included

Wöhler VE 200 HD Video Endoscope

HD Inspection of Inaccessible Cavities




Application

- HD inspection:
- ▶ Inaccessible cavities through smallest openings from Ø 6 mm (e.g. tile cross)
  - ▶ Pre-wall installations, sinks, drain ducts
  - ▶ 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 3 m (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	
Detailed technical data can be found under <a href="http://woehler-international.com/7792.dl">woehler-international.com/7792.dl</a>		

Wöhler VE 200 HD Video Endoscope		
Scope of delivery	Wöhler VE 200 HD Video Endoscope	
	HD Probe Ø 8,5 mm / 1,2 m	
	Side tip mirror	
	Magnet	
	Hook tool	
	Batteries	
	Plastic case	
Article no.		7792 I

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Wöhler VE 400 HD Video Endoscope

HD Inspection of Inaccessible Cavities




Application

- HD inspection:
- ▶ Inaccessible cavities through smallest openings from Ø 4 mm (e.g. tile cross)
  - ▶ Pre-wall installations, sinks, drain ducts
  - ▶ 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 Ø 5,5 mm
- ▶ Probe length up to 3 m (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	
Detailed technical data can be found under <a href="http://woehler-international.com/6920.dl">woehler-international.com/6920.dl</a>		

Wöhler VE 400 HD Video Endoscope		
Scope of delivery	Wöhler VE 400 HD Video Endoscope	
	HD Probe Ø 5,5 mm / 1 m with 0° / 90° view	
	Lithium-Ion battery	
	Micro-SD Card 32 GB	
	Micro-USB charger	
	Video endoscope connection cable 1,5 m	
	Plastic case	
Article no.		6920 A

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# Wöhler VE 320 Video Endoscope

Inspection of Inaccessible Cavities



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Application

- Inspection:
- ▶ Inaccessible cavities through smallest openings from Ø 6 mm (e.g. tile cross)
  - ▶ Pre-wall installations, sinks, drain ducts
  - ▶ Fireplaces, combustion chambers, connectors
  - ▶ Inspection openings and fire dampers

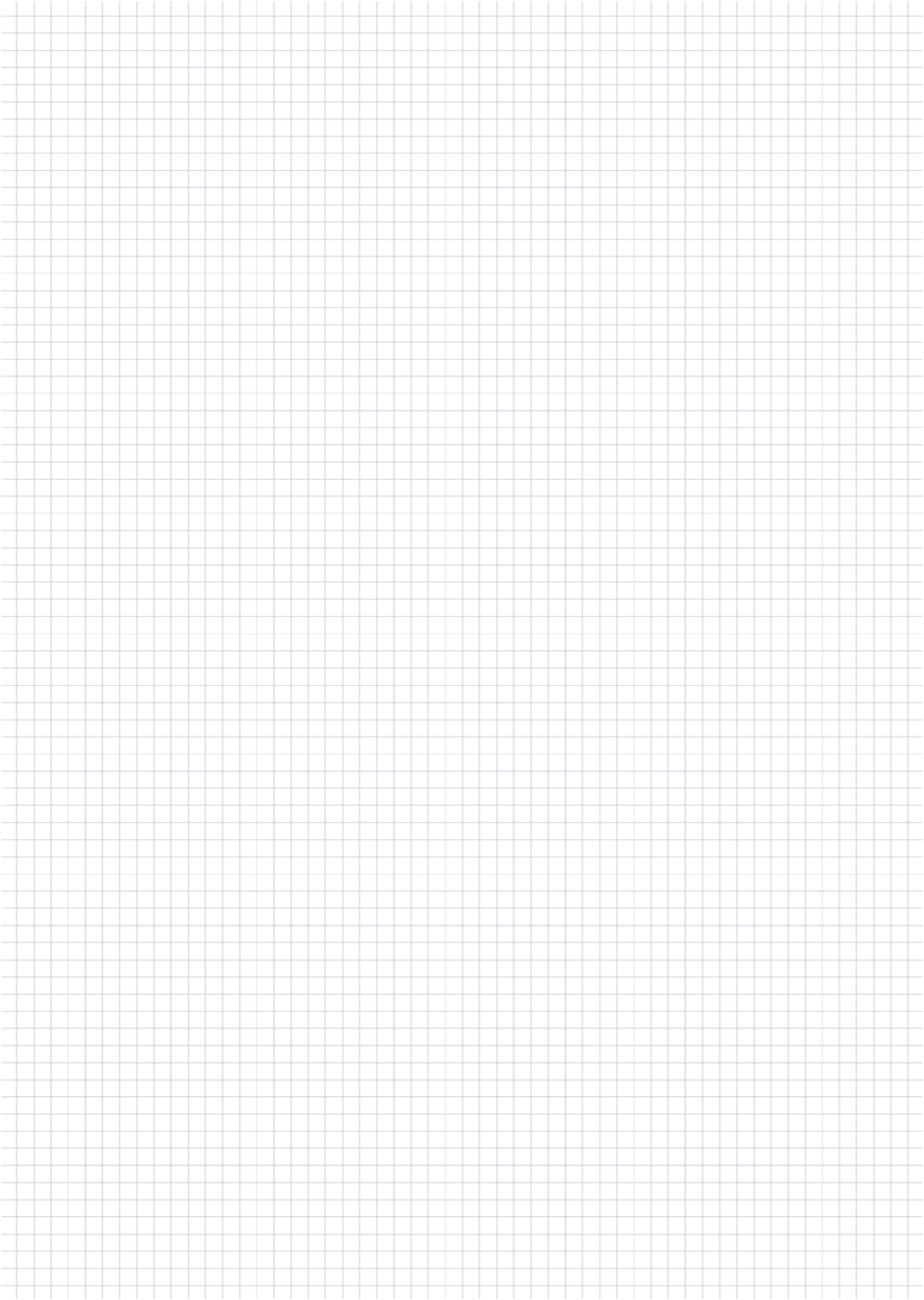
Advantages

- ▶ Large 3,5" colour monitor
- ▶ Videoscope Waterproof Probes
- ▶ HD-Ready picture quality
- ▶ Image rotation
- ▶ Image and video recording on Micro-SD Card
- ▶ Ø 3,9 probe for smallest inspection openings
- ▶ Probe length up to 3 m (see accessories)

Technical data		
Monitor	Display	3,5"
	Resolution	960 x 720 px
	Interfaces	Micro-USB-Data-/charging connection Micro-SD Card slot
Probe camerahead	Protection	Waterproof to IP 67
File formats	Image format	JPG
	Video format	AVI
Power supply	3.500 mAh Lithium-ion rechargeable battery	
Operating time	5 to 6 h	
Detailed technical data can be found under <a href="http://woehler-international.com/6935.dl">woehler-international.com/6935.dl</a>		

Wöhler VE 320 Video Endoscope		
Scope of delivery	Wöhler VE 320 Video Endoscope	
	Probe Ø 7,6 mm / 1 m	
	Lithium-Ion battery	
	Micro-SD Card 32 GB	
	Micro-USB charger	
	Video endoscope connection cable 1,5 m	
	Plastic case	
		Article no. 6935 A

Accessories Endoscopy	Article no.		
	HD Video Endoscope Probe for Wöhler VE 320 / 400	Ø 3,9 mm / 1 m	6929 A
	HD Video Endoscope Probe for Wöhler VE 200	Ø 5,5 mm / 1,2 m	7787 I
	HD Video Endoscope Probe for Wöhler VE 200	Ø 8,5 mm / 1,2 m	7709 I
	HD Video Endoscope Probe for Wöhler VE 200	Ø 9 mm / 3 m	7724 I
	HD Video Endoscope Probe for Wöhler VE 200	Ø 25 mm / 3 m	7789 I
	HD Video Endoscope Probe for Wöhler VE 320/ 400	Ø 25 mm / 3 m	6911 A
	HD Video Endoscope Probe 0° / 90° for Wöhler VE 400	Ø 5,5 mm / 1 m	6928 A
	HD Video Endoscope Probe 0° / 90° for Wöhler VE 400	Ø 8,5 mm / 3 m	6912 A
	Video Endoscope connection cable for Wöhler VE 320 / 400 flexible extension cable between HD Video Endoscopes and probes		6931 A
	Protection Bag for Wöhler VE 200 / 320 / 400 and probes		6914 A





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