

WÖHLER



UNIQUELY CLEAR VIEW

Wohler VIS 350 Inspection System

Capitalize the first letter in each word

The Measure of Technology



Made in
Germany

Wohler VIS 350 Inspection System

The intelligent camera head to your benefit

With the Wohler VIS 350 camera system, you have everything you need to inspect waste water pipes, flue gas and ventilation lines and industrial systems. With the pan & tilt camera head, the built-in transmitter and the Wohler L 200 Locator you can precisely locate the damage and accurately document the results of the inspection.

Wohler's camera system is both compact and safely housed in a plastic case for transport. The system consists of a 100 ft push rod cable with reel, a full color 1.5" pan and tilt camera and a large color monitor. The Wohler control panel ensures easy control of the camera head: The camera pans 360°, tilts 180° and offers the best-possible lighting to carry out an all-round inspection of the inside of the pipe. Particularly practical: After panning and tilting, the home function automatically aligns the camera angle to straight ahead with a simple push of a button. The ability to record videos allows the camera to capture

exactly what it detects during the inspection. When damage is discovered, one quick press of a button is all that is required to capture and save a photo.

To be able to assess and specifically target repair work, we at Wohler have perfected the technique of precisely locating damage. The actual distance count and the position of the head are displayed in the monitor. This feature is beneficial when dealing with extensive networks of pipelines. The position and angle of the camera head is displayed on the monitor, at all times. Precise localization of the camera head is available with the Wohler L 200 Locator.



- ▶ Video inspection system proven over many years
- ▶ Position and digital distance counter of camera head indicated in the display
- ▶ Keep your sense of orientation with home function
- ▶ 4 hour flexibility – 2 rechargeable batteries for lasting mobility
- ▶ Built-in transmitter with adjustable frequency enables precise localization of the camera head



The robust color camera head is waterproof to IP 67 rating. With a diameter of just 1.5" it easily negotiates bends in pipes of 2.5" and larger.



The Wohler VIS 350 precisely locates radio signals transmitted by the camera head through concrete and asphalt to save time and money in repairs.



The 360° pan- and 180° tiltable color camera head easily negotiates 90° bends.



The Wohler L 200 Locator makes it possible to locate the camera head wirelessly.



Robust plastic case
The light-weight and rugged case not only protects the camera, monitor and accessories, it is also easy to carry

Position and angle display
Ensures the user knows where top and bottom are in the pipe at all times and the pitch of the camera head

Battery status
Indicates battery level

Digital distance counter
The length of unwound cable is sensed electronically and displayed for pinpoint positioning

Color monitor
High-definition, 7" TFT wide-screen color monitor can be tilted and withdrawn up to 6 ft from the case

Operating panel
Practical design with simple menu guidance and intuitive camera movement control

Pan- and tiltable camera head 1.5"
Pans through 360° and tilts 180° from left to right

Push rod
The GRP-rod can be extended up to 100 ft

Card slot
Save your videos directly to the SD Card 4 GB

USB port
Connects the camera with your PC

Video-output
View your videos on an external monitor

Rechargeable batteries
Space to store 2 rechargeable NiMH batteries (12 V) – each with an operating battery life of up to 2 hours

Technical Data		
Monitor	Dimensions housing	7" x 4.5" x 1.3"
	TFT-display	7" / 16:9 format
	Video out	FBAS signal
	Weight	1 lbs
	Power supply	Space for 2 rechargeable batteries, each 12 V or via power pack
Battery operating time		Max. 2 rechargeable batteries, each 120 mins. = 4 h (battery status in display)
Wohler pan- and tiltable camera head 1.5"	Type	1/3" COLOR CMOS
	Pixels	656 x 492 (NTSC)
	Light sensitivity	0.5 Lux
	Lens	f = 0.09", F = 2.5
	Viewing angle	130°
	Light source	12 white LEDs
	Degree of protection	Waterproof to IP 67
	Dimensions	1.5" x 2"
	Weight	1 lbs
	Operation temperature	32...104 °F, RH 95 % MAX
Wohler miniature camera head 1"	Type	1/3" COLOR CMOS
	Pixels	768 x 576 (PAL) 656 x 492 (NTSC)
	Light sensitivity	0.5 Lux
	Lens	f = 0.09", F = 2.5
	Viewing angle	145°
	Light source	12 white LEDs
	Degree of protection	Waterproof to IP 68
	Dimensions	1" x 1.5"
	Weight	0.5 lbs
	Operation temperature	32...104 °F, RH 95 % MAX
Push rod	Length	100 ft
	Diameter	0.26"
	Distance measurement	digital distance counter

- Application**
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

- Functionality**
- ▶ Optics pan- 360° and tilt 180° – facilitate maximum movement radius and ensure even the smallest damage does not remain hidden from your view
 - ▶ Store video footage and photos on a SD Card 4 GB (Wohler VIS 350)
 - ▶ Camera head with integrated transmitter facilitates location detection by the Wohler L 200 Locator
 - ▶ Digital position and angle of the camera head displayed on the monitor
 - ▶ Home function aligns the camera head to a straight position – display parallel to the ground above
 - ▶ Brightly illuminating color camera head, 2" in length and 1.5", easily negotiates tight bends
 - ▶ Electronic distance counter with a resolution of 0.10 ft displayed on the monitor
 - ▶ Bright TFT color monitor (tiltable and removable) supplies razor sharp images
 - ▶ Battery operating time: 2 x 120 min. with 2 rechargeable batteries
 - ▶ Fully equipped mobile solution in a robust plastic case

- Data management**
- ▶ Simply record and store photos and videos on a SD Card 4 GB (Wohler VIS 350) for documentation and archiving purposes for you and your customers

- Localisation with Wohler L 200 Locator (optional)**
- ▶ Transmitter integrated in camera head makes it possible to precisely locate the camera head
 - ▶ Facilitates targeted repairs to damaged pipelines
 - ▶ Telescopic holder makes it possible to locate damage under floors or in ceilings
 - ▶ Powerful rechargeable battery
 - ▶ Localization of 8.9 kHz and 9.2 kHz frequencies

Wohler L 200 Locator

Views through concrete and masonry

Inspecting pipes under the ground, in ceilings and walls is a daily routine for contractors. After the inspection, the next task is to locate the position of the damage accurately to be able to minimize repairs. The Wohler L 200 detects the transmitter, built into the camera head, to precisely locate the damage.



Contractors and their customers are able to save considerable time and money by utilizing video inspections to visualize leaks and document damaged or soiled sections of pipework. The Wohler L 200 Locator also locates the radio signals transmitted by the camera head of the Wohler VIS systems. Damage is displayed precisely in a clear-cut graphic on the display of the Locator to ensure it is discovered rapidly and marked. This is how the Wohler L 200 makes locating simple: The Locator can be attached to

- 
COLOR
DISPLAY
- 
LOCATES
PRECISELY
- 
COMFORTABLE
HANDLING
- 
TIME
SAVING

a telescopic pole to make the search for the camera head as effective as possible. Guided close to the ground, along walls or below the ceiling, it locates the signals transmitted by the camera head. The user is guided by the bright color display throughout the locating process. In addition, an acoustic signal is emitted and made audible via a loudspeaker or headphones. The on screen display indicates the signal strength and direction to the camera head.

- ▶ Locates radio signals transmitted by the camera head – rapidly pinpoints damage
- ▶ Transmitter frequency 512 Hz / 8.9 kHz / 9.2 kHz
- ▶ Easy to handle – user guided via display throughout the locating process
- ▶ Bright, easy-to-read color display
- ▶ Telescopic pole – easily track down damage anywhere

Kits



		Wohler VIS 350 Inspection Camera	Wohler VIS 350 Inspection Camera	Wohler VIS 350 Inspection Camera	Wohler VIS 350 PLUS Inspection Camera
camera head		1.5" fixed	1.5" detachable	1" / 1.5" detachable	1" / 1.5" detachable
Scope of delivery	Wohler VIS 350 Inspection Camera with digital distance counter	•	•	•	•
	Carrying 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	•	•	•	•
	6 ft connection cable (removable monitor)	•	•	•	•
	100 ft push rod 0.26"	•	•	•	•
	5 plastic domes	•	•	•	•
	Anti-slide mat	•	•	•	•
	2 NiMH batteries with charger	•	•	•	•
	Wohler L 200 Locator				•
			P/N	7354	6352
					8931

Accessories

Article description	P/N	
	<p>Wohler L 200 Locator for camera heads 1" / 1.5"</p> <p>Scope of delivery: Wohler L 200 Locator, plastic case, USB power supply with Micro-USB cable, chalk (12 pcs. box, yellow), telescopic rod and headphones</p>	7430
	<p>Camera Roller Guide for camera heads and push rods</p>	3681
	<p>Wohler Guidance Set 100 for camera head 1.5"</p> <p>Scope of delivery: protection sleeve with cut-out, roller guide and centering star</p>	4240
	<p>Guidance Sleeve with protection cage for camera head 1"</p>	3847
	<p>Protection Sleeve with cutout for camera head 1.5"</p>	2641
	<p>Glass Dome for camera head 1.5"</p>	3674
	<p>Replacement Polycarbonate Dome for camera head 1.5"</p> <p>10 pcs.</p>	3675
	<p>Battery for Wohler VIS 2xx / 3xx</p> <p>12 V NiMH 2600 mAh, operation time: 120 min, warranty: 1 year</p>	4715
	<p>Power Supply for Wohler VIS 2xx / 3xx</p> <p>18 V, 1.5 A, 100 – 240 V, 50 Hz, charge time 3 hours, for all countries</p>	4798
	<p>Car Charger for Wohler VIS 2xx / 3xx</p>	3169
	<p>Wohler VIS Camera Trolley Set for camera heads</p> <p>Scope of delivery: Wohler VIS Camera Trolley, camerahead-holder, storage bag, stabilization sleeve for light ring (can only be used in combination with supplementary light ring)</p>	4753
	<p>Wohler Light Ring 1" / 1.5" for camera heads 1" / 1.5"</p> <p>light ring with 18 white LEDs, outer 2.1", detachable</p>	8894

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