

WÖHLER



UNIQUELY CLEAR VIEW.

Wöhler VIS 350

VIDEO INSPECTION, POSITION INDICATOR,
HOME FUNCTION AND LOCATOR

The Measure of Technology

**360°
180°**

PAN AND TILTABLE
COLOR CAMERA
HEAD

HEAD
COLOR CAMERA



Made in
Germany

WOHLER VIS 350

Intelligent camera head guides and tracks

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

Wohler's new camera system is both compact and safely housed in a plastic case for transport and mobility. The system consists of a 100 ft. push rod cable with reel, a color camera head with a diameter of 1 1/2" and a large color monitor. Then there is the typical Wohler control panel that 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 camera can record video of what it sees as it travels along the line run. Even several tight 90° bends along the line are no

hurdle. When damage is discovered, one quick press of a button is all that is required to shoot 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 meter count and the position of the head are displayed in the monitor. That, for example, is a huge help when dealing with extensive networks of pipelines. The top and bottom of the pipe are displayed on the monitor at all times and at how many degrees the camera is being guided up or down. Even low-cost, simple wire-less location detection is available in the form of the new Wohler L 200 Locator.

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- **Video inspection system proven over many years – now with CCS picture quality**
 - **Position of camera head indicated in the display**
 - **Keep your sense of orientation with home function – camera aligns itself automatically**
 - **4 hour flexibility – 2 rechargeable batteries for lasting mobility**
 - **Built-in location transmitter facilitates wireless location detection**
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Robust plastic case

The light-weight plastic 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 at how many degrees the camera is being guided up or down

Battery status

Indicates battery charge level

Digital meter 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 & Tilt 1 1/2" dia color camera head

Tilts 180° from left to right and pans through 360°

Push rod

The FRP rod can be extended up to 100 ft.

Card slot

Save your videos directly to the 4 GB SD card

USB port

Connects the camera with your PC

Video output

View your videos on an external monitor

2 powerful rechargeable batteries

Space to store 2 rechargeable NiMH batteries (12 V) - each with a rechargeable, operating battery life of up to 2 hours – the main battery is charged in the case

WIDE RANGE OF APPLICATIONS

Analyze damage and inspect:

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

FUNCTIONALITY

- Optics pan 360° and tilt 180° – facilitate maximum movement radius and ensure even the smallest damage does not remain hidden from your view
- Store video footage and photos on a 4 GB SD card (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 1/2" in diameter, easily negotiates tight bends
- Electronic meter 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 (optional)
- Fully equipped mobile solution in a robust plastic case

LOCATOR (OPTIONAL)

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

DOCUMENTATION

Simply record and store photos and videos on a 4 GB SD card (Wohler VIS 350) for documentation and archiving purposes for you and your customers.

TECHNICAL DATA

Monitor

Dimensions housing	7" x 4.5" x 1.3"
TFT-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)

Pan&tilt Ø 40 mm color camera head

Type	1/3" COLOR CMOS
Pixels	656 x 492 (NTSC)
Light sensitivity	0.5 Lux
Lens	f = 0.09", F = 2.5
Viewing angle	115°
Light source	12 white LEDs
Degree of protection	Waterproof to IP 67
Dimensions	1 1/2" dia x 2"
Operating temperature	32...104 °F, RH 95 % MAX
Storage temperature	-4...122 °F, RH 95 % MAX

Locator transmitter

Transmission frequency	8.9 kHz
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Push rod

Length	100 ft.
Diameter	0.26"

Plastic case

Dimensions	20" x 17" x 7" (l x w x h)
Weight	18 lbs

Distance measurement

Wohler VIS 350 / VIS 300	Electronic meter counter
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Locator receiver

Display	Graphic visualization of transmitted position
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Output impedance

Headphones	32 Ohm
Power supply	12 V MiMH battery (rechargeable)
Operating temperature	32...104 °F
Storage temperature	14 °F...104 °F
Weight	1.3 lbs
Dimensions	13" x 6" x 3" cm (l x w x h)

Memory (Wohler VIS 350)

Recording	4 GB SD card (2.5 h recording capacity)
Interface	Mini USB port

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