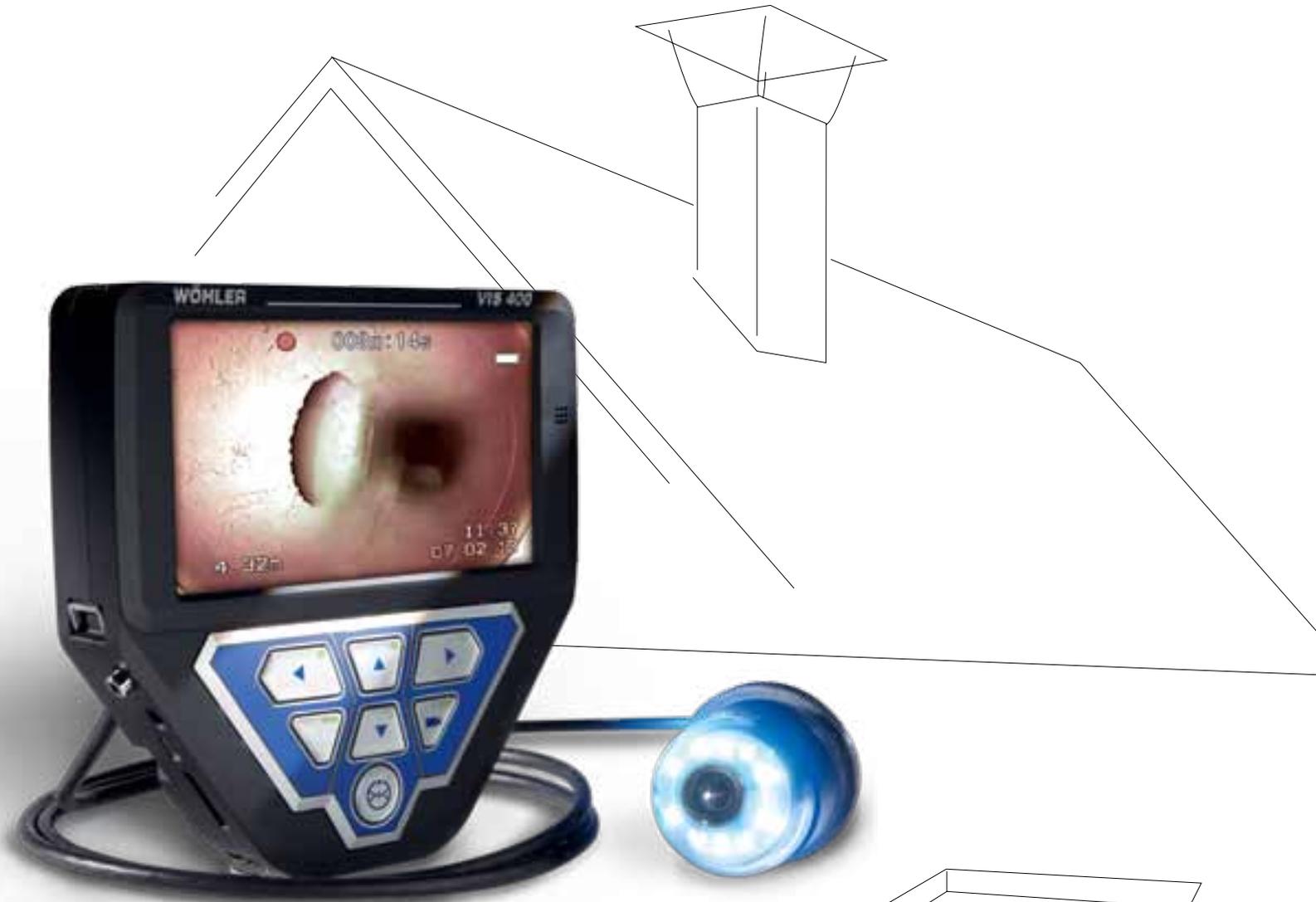


The Measure of Technology



NEW

MODULAR POINT OF VIEW.

Wöhler VIS 400

PROFESSIONAL VIDEO INSPECTION SYSTEM



Wohler VIS 400

A camera system that keeps you in the picture and sharpens your awareness

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

Modular by design, it is possible to combine the Wohler VIS 400 camera system with a variety of camera vipers, camera cables and camera heads. For instance, simply connect either the Wohler 2" dia or the 1 1/2" dia pan & tilt camera head to carry out an all-round inspection of the inside of the pipe. The camera pans 360°, tilts 180° and offers the best-possible lighting. Particularly practical: After panning and tilting, the home function automatically aligns the angle of the 1 1/2" dia color camera to straight ahead with a simple push of a button.

View, speak and save

It is possible to make a video recording of the inspected line run. When damage is discovered, it is possible to begin the

voice recording function to annotate the recording. Moreover, the voice recording function proves particularly practical at the beginning of a recording, because it helps afterwards to assign a recording to a specific inspection. As well as recording sequences of pictures it is also possible to quickly shoot and save a photo also at the press of a button.

Knowing where really matters

To be able to assess and specifically target repair work, we at Wohler have perfected the technique of precisely locating the camera head. The actual meter count and the position of the head are displayed in the monitor. The top and bottom of the pipe are displayed on the monitor at all times, even if the ca-

mera is being guided up or down or if it is moving left or right. It is even possible to locate the 1 1/2" dia color camera head wirelessly – utilizing the new Wohler L 200 Locator.



ROBUST
HOUSING



VIDEO
FUNCTION



PHOTO
FUNCTION



VOICE
RECORDING



HOME-
FUNCTION



USB data transfer

- **Perfect for inspections while on the roof**
- **Very bright LED lighting – selectable**
- **Modular system – it is possible to choose individual components to suit application requirements**
- **Compact and easy to use – 3 lbs featherweight**
- **Includes carry strap and protective pouch with anti-glare protection**



Overview of Functions

DIGITAL METER COUNTER

For precision length orientation in conjunction with the Wohler camera viper and cable reel

PAN&TILT CAMERA HEAD 2" DIA

Includes selectable LED illumination
Pan&Tilt controlled via arrow keys

LIGHTING

Adjust the brightness of the camera head lighting via the dimming function

EYELETS

To secure wrist and shoulder straps

VIDEO OUTPUT

To transmit the video signal, for example to an external monitor

USB PORT

For data transfer

SD CARD

Recorded data is stored on a 2 GB SD card

SHIFT

Activates the key functions which are represented by the green symbols on the keypad

BATTERY STATUS

2 hours of rechargeable battery operation for lasting mobility

PLAYBACK

Starts or ends a video or photo playback

MENU

A variety of user-definable settings

PHOTO, VIDEO AND VOICE RECORDING

Capture images and voice annotations of what you see

DELETE

Delete an image or video, switch the camera on/off or reset the meter counter to zero



Modular System Design

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



Application example with 2" dia camera head

CABLE REEL



VIPER

2" dia color camera head, pan- & tilttable



1 1/2" dia color camera head, pan- & tilttable



1" dia color camera head for smaller pipe diameters



CAMERA HEADS

Wohler L 200 Locator

Penetrating views through concrete and asphalt

Inspecting pipes under the ground, in ceilings and walls is daily routine for specialist tradesmen and women. And after the inspection, the next task is to locate the position of the damage accurately to be able to offer and carry out the necessary repair or cleaning work with precision. With the Wohler L 200 Locator that is now all just child's play. It detects precisely radio signals transmitted by the 1 1/2" dia Wohler pan & tiltable color camera head, for example.

Skilled tradesmen and women and their customers are able to save considerable time and cost savings 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 1 1/2" dia color camera head. Damage is displayed precisely in a clear-cut graphic on the display of the Locator to ensure it is discovered rapidly and marked.

Insights keeping you in the picture

This is how the Wohler L 200 makes locating simple: The Locator attaches to a telescopic pole. Guided close to the ground, along walls or below the ceiling, it locates the very long radio waves transmitted by the camera head. Particularly ideal: The user is guided by the bright color display throughout the locating process – cross-hairs are displayed on a horizontal grid system. In addition, an acoustic signal is emitted and made

audible via a loudspeaker or headphones. The cross-hairs and the strength of the signal indicate the direction and distance to the located point.

Once the section of pipe to be repaired or cleaned has been found, it can be marked easily. For this purpose, a holder is provided to affix a piece of chalk to the end of the Locator.

- **Locates radio signals transmitted by the camera head – rapidly pinpoints damage**
- **Easy to handle – user guided via display throughout the locating process**
- **Bright, easy-to-read color display**
- **Telescopic pole – easily track down damage anywhere**
- **Chalk holder – for chalk to mark the position where damage is found**



Extensive Range of Functions



Monitor anti-glare protection ensures optimum viewing even in the glare of the sun.

Technical data

Monitor

TFT display

7" / 16:9 format

Video out

FBAS signal

Power supply

12 V NiMH rechargeable battery, 2.000 mAh

Battery operating time

2 h (battery status in display)

Distance measurement

Digital meter counter
in conjunction with the camera viper and cable reel

Storage

2 GB SD card (2.5 h recording capacity)

Interface

Mini USB port

Operating temperature

32...104 °F

Storage temperature

-4...122 °F

Dimensions housing without pouch

8" x 8" x 2"

Dimensions housing with pouch

9" x 9" x 3"

Weight

Without pouch 3 lbs; with pouch 4 lbs

Connection, stand

Standard

Wide Range of Applications

Analyze damage and visually inspect:

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

Product Benefits

- Modular system – components are modular by design to support extensive expansion options
- Pan & Tilt color camera heads with integrated power lighting easily negotiate bends in the line
- Digital meter counter with a resolution of 0.10 ft, displayed on the monitor (with Wohler camera viper or cable reel)
- Mini USB port for data transmissions

Documentation

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



Professionally equipped with camera viper for inspecting underground pipelines.



No unnecessary ballast on the roof – helps you keep your balance in the most difficult of conditions.

Sets and Accessories

Qty	Sets Wohler VIS 400	P/N
	Wohler VIS 400 Standard Kit Comes with: Wohler VIS 400 color TFT monitor 7" with 2GB SD card and power supply, protection bag with glare protector and shoulder belt, pan&tilt camera head Ø 2", camera cable 100 ft., power supply, plastic case	4133
	Wohler VIS 400 Viper Kit Comes with: Wohler VIS 400 color monitor NTSC with leather bag and shoulder belt, pan&tilt color camera head Ø 2", stabilization sleeve for color camera head, 2 GB SD card, camera roller guide with protection cage, camera viper with 100 ft. push rod Ø 0.3", aluminium case XXL	4152
	Wohler VIS 400 Reel Kit Comes with: Wohler VIS 400 color monitor NTSC with leather bag and shoulder belt, cable reel with integrated distance measurement (resolution 2" shown on screen), connection cable for reel and monitor, 2 GB SD card, pan&tilt color camera head 2" dia with camera holder, replacement glass dome for camera head, camera cable 100 ft. with metric marking, aluminium case XXL	4153
	Wohler VIS 400 Monitor only Comes with: Wohler VIS 400 color monitor NTSC in heavy duty carrying case, protective bag with glare shield and shoulder belt, 2 GB SD card, power supply	4151

Qty	Accessories Wohler VIS 400	P/N
	Plastic domes Wohler VIS 400 / VIS 2000^{PRO} camera head pack of 5 pieces	7075
	Wohler Replacement Glass Dome for pan & tilt camera heads Wohler VIS 2000 ^{PRO} / VIS 400 color and b/w	7802
	Wohler Camera Holder faces down	3720
	Wohler VIS Guidance Set 110 for pan and tilt camera head: camera roller cage with protection cage and stabilization sleeve with star holder	3881
	Wohler Stabilisation sleeve aluminium for 2" dia pan and tilt camera heads; for use with camera cable: head can be pushed upwards with GRP Rods	22182
	Wohler Telescopic Tube with flexible gooseneck for camera heads Wohler VIS 400 / VIS 2000 ^{PRO} and Wohler miniature camera heads. Length of the telescopic tube 0.9 ... 1.6 m plus gooseneck 0.3 m. The flex and stay gooseneck remains in a bent position allowing for easy inspection	7005

WÖHLER

Wohler USA

5 Hutchinson Drive (Rear) · Danvers, MA 01923
 Tel.: (+1) 978 750 9876 · Fax: (+1) 978 750 9799
 info@wohlerusa.com · www.wohlerusa.com

