

# WÖHLER

**NEW**

INNOVATIVE  
TECHNOLOGY  
THAT WILL GROW  
YOUR BUSINESS



## Wohler VIS 700 HD-Video Inspection System

High definition images for reliable results

*The Measure of Technology*



Made in  
Germany

HD  
TOUCH-  
SCREEN

VOICE  
RECORDING

VIDEO  
FUNCTION

PHOTO  
FUNCTION

HOME  
FUNCTION

EASY TO  
CLEAN

LOCATOR  
TRANSMITTER

WLAN  
TRANSMISSION

POWER  
UP TO 4h

# Wohler VIS 700 HD-Video Inspection System

## The new fully digital Wöhler camera generation

The Wöhler VIS 700 offers exactly what professionals have been waiting for: razor sharp high definition images, a focus function for precise inspection, and now wireless locating with adjustable frequency; 8.9 kHz, 9.1 kHz, or 512 kHz. The Wöhler VIS 700 is the ideal inspection camera for waste water pipes, flue gas and ventilation lines as well as NDT and plumbing applications.

### Fully digital camera system

A new digital high-resolution sensor assures amazingly sharp images. With the Wöhler VIS 700, professionals are able to plan their maintenance services on the basis of clearly visible facts. The displayed level indication ensures you to keep orientation in the pipe. The camera display shows the camera head position and angle for ease of navigation. The home function allows you to realign the camera head straight forward when needed.

HD images are displayed for you on the brilliant, touch screen high-resolution monitor. The Wöhler VIS 700 is

designed to transmit live video data to smart devices via Wireless LAN. While conducting an inspection, you have the option to stream live images and videos on a smartphone or tablet. You can also save all footage to an SD card for reviewing at a later time.

### Focus using joystick and touchscreen

The focus function via touch screen or joystick makes it possible to precisely control the depth of focus. A simple tip on the joystick ensures a precise, crystal clear image on the screen. Additional settings and extras, such as the touch screen keyboard, are accessible by tapping the touchscreen monitor.



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



Precise location of the camera head with the Wöhler L 200 Locator, now with 512 kHz frequency



Secure drain inspection with the waterproof camera head



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

## ADVANTAGES

- High Definition image quality
- 1.5 inch detachable waterproof pan & tilt color camera head (IP 67)
- 7" HD color touchscreen with adjustable focus via joystick/touch screen
- Built-in radio transmitter facilitates wireless location detection
- Adjustable locator frequency: 8.9 kHz, 9.9 kHz, or 512 Hz
- Position and level display for orientation during inspections
- On screen keyboard for typing comments / descriptions to photos
- Transmission of live images/video via Wireless LAN



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



close range



long-distance range

The focus function makes it possible to precisely control the depth of focus



# Overview of functions

### HD Video 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 motor driven focus can be adjusted by touchscreen or joystick.



far 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

Ensures the user knows where top and bottom are in the pipe at all times. The length of unwound cable is sensed electronically and displayed for pinpoint positioning.

### Easy to clean and a lot of space for accessories

The case is easy to clean 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.

### Transmission of live images by Wireless LAN

To transmit the video signal to an external monitor or your smartphone/tablet.

### Powerful Li-ion 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.

### 1.5 inch pan & tilt camera head

Tilts 180° from left to right and pans through 360°. Precisely adjustable depth of focus.

### Durable Camera Rod

The 100 ft. camera rod is flexible and durable.



## ✂ 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

## ⚙ Functionality

- HD touchscreen – razor sharp recordings from any perspective
- Adjustable depth of focus
- Optics pan 360° and tilt 180°- even the smallest amount of damage is viewable
- Camera head with integrated variable frequency transmitter
- Electronically determined position and angle of the camera head shown on the display
- Brightly illuminating color camera head, 1.5" in diameter and 2.5" in length, easily negotiates tight bends
- Electronic distance counter displays position on monitor
- Bright TFT color monitor for razor-sharp images
- Battery operating time of 4 hours with a rechargeable Li-ion battery
- Fully equipped mobile solution in a rugged twinwall hard case
- Comments features touch screen keyboard for typed notes
- Voice notes
- Fast and effective cleaning of the camera rod

## 📁 Data management

- Simply record and store photos and videos on the 32 GB SD card for documentation and archiving purposes for you and your customers
- Wireless LAN interface

## 📍 Location detection with Wöhler L 200 Locator (optional)

- Transmission frequency adjustable to 8.9 kHz, 9.9 kHz or 512 Hz
- Transmitter integrated in camera head makes it possible to precisely locate the camera head
- Pinpoint damage repairs to pipelines
- Telescopic holder makes it easy to locate damage under floors or in ceilings
- Chalk holder with lithographic chalk to mark located damage immediately
- Long-lasting rechargeable Li-ion battery

## TECHNICAL DATA

### Monitor

|                              |                                            |
|------------------------------|--------------------------------------------|
| Dimensions housing .....     | 10 x 6 x 2 in                              |
| TFT display .....            | 7" / 16:9 format<br>1280 x 800 px          |
| Weight .....                 | 2 lbs.                                     |
| Power supply .....           | USB C 5 V / 3 A                            |
| Power supply .....           | 3.7 V, 11.4 Ah rechargeable Li-Ion battery |
| Battery operating time ..... | 4 h (battery status in display)            |
| Operating temperature .....  | 32...104 °F                                |
| Storage temperature .....    | -4...122 °F                                |

### Wöhler pan & tilt camera head 1.5 inch

|                                     |                   |
|-------------------------------------|-------------------|
| Type .....                          | 1/2.7" Color CMOS |
| IP rating .....                     | IP 67             |
| Viewing angle, diagonal .....       | 160°              |
| Focus distance .....                | 1 inch...∞        |
| Light source .....                  | 10 white LEDs     |
| Dimensions .....                    | 1.5 x 2.5 inches  |
| Transmit frequency of Locator ..... | variable          |

### Camera rod

|                |             |
|----------------|-------------|
| Length .....   | 100 ft.     |
| Diameter ..... | .33" x .22" |

### Electronic meter counter

|                      |               |
|----------------------|---------------|
| Resolution .....     | 1 inch        |
| Max. deviation ..... | 5% of reading |

### Memory

|                                |                            |
|--------------------------------|----------------------------|
| Max. capacity of SD card ..... | 32 GB                      |
| Technology .....               | SD or SDHC, speed class 10 |
| Recording capacity .....       | Approx. 3 GB/h             |
| Resolution recording .....     | 1280 x 720 HD, max. 25 fps |
| Recording format .....         | AVI (H264)                 |

### Double-walled plastic case

|                  |                    |
|------------------|--------------------|
| Dimensions ..... | 7 x 18 x 20 inches |
|------------------|--------------------|

### Total weight incl. monitor,

|                                |         |
|--------------------------------|---------|
| camera head and push rod ..... | 22 lbs. |
|--------------------------------|---------|

### Locator receiver

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Display .....                      | Graphic camera position indicator |
| Output impedance, headphones ..... | Typ. 32 Ohm                       |
| Frequency .....                    | 8.9 kHz, 9.9 kHz or 512 Hz        |
| Power supply .....                 | 3.7 V rechargeable Li-Ion battery |
| Operating temperature .....        | 0...104 degrees F                 |
| Storage temperature .....          | 14 °F...104 °F                    |
| Weight .....                       | 1.5 lbs.                          |
| Dimensions .....                   | 12 x 6 x 3 inches                 |



Easy inspection of ventilation systems with the 100 foot camera rod



The 100 foot camera rod is at the same time flexible and durable because of its construction

## Display resolution in comparison High Definition vs. Crystal Clear Screen



High Definition Display (Wohler VIS 700): razor sharp images



Crystal Clear Screen (Wohler VIS 350)

# Kit and Accessories

| Wohler VIS 700                                                                                                                                                                                                                                                                                                                                                                                                           | Qty |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>Wohler VIS 700 HD-Video Inspection System</b><br>Wohler VIS 700 Monitor with HD TFT monitor 7" incl. 5 ft. cable and Li ION battery, Wöhler pan and tilt color camera head 1.5 inch, detachable, SD memory card 32 GB, Camera rod 0.33 x 0.22 inch, 100 ft. long (removable for cleaning), 3 domes, 1 anti slide mat, USB-charger with USB-C-cable, Plastic case<br><p style="text-align: right;"><b>P/N 7082</b></p> |     |

| Wohler VIS 700 Plus                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qty |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>Wohler VIS 700 Plus HD-Video Inspection System</b><br>Wohler VIS 700 Monitor with HD TFT monitor 7" incl. 5 ft. cable and Li ION battery, Wohler 1" mini color camera head, Wöhler pan and tilt color camera head 1.5 inch, detachable, SD memory card 32 GB, Camera rod 0.33 x 0.22 inch, 100 ft. long (removable for cleaning), 3 domes, 1 anti slide mat, USB-charger with USB-C-cable, Plastic case<br><p style="text-align: right;"><b>P/N 7498</b></p> |     |

| Accessories                                                                                                                                          | Qty |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>Guidance Set 100</b><br>for camera head 1.5"<br>Roller Guide, Protection Sleeve, Rod element<br><p style="text-align: right;"><b>P/N 4240</b></p> |     |
| <b>Wohler L 200 Locator</b><br>for camera head 1.5"<br>Wöhler L 200 Locator<br><p style="text-align: right;"><b>P/N 7430</b></p>                     |     |



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