

TECHNICAL DATA SHEET

Wöhler VIS 500 Inspection Camera



Intended uses

The Wöhler VIS 500 video inspection system is designed for visual inspection and damage documentation in pipes and shafts, e.g. flue gas systems, ventilation systems, waste water pipes etc.

Applications and functionality

Damage analysis, non-destructive inspection and documentation of:

- 87° bends
- Sewer pipes from Ø 40 mm
- House connections up to Ø 200 mm
- Air pipes and ducts
- Intermediate ceilings, cavities, shafts
- Industrial machines / plants

Scope of delivery in the basic version

- Wöhler VIS 500 monitor unit
- TFT widescreen colour monitor and 2 m connection Cable (monitor removable)
- Glare protection
- Lithium-ion battery 6 h operation time
- USB mains charger with USB-C cable
- Wöhler pan / tilt camera head Ø 40 (optional)
- Wöhler miniature camera head Ø 26 (optional)
- Data storage: Internal memory 4 GB expandable with USB stick
- Camera rod Ø 6,5 mm / 30 m
- Replacement plastic domes
- Double-sided suitcase

Technical data

Monitor	TFT display	7" / 16:9 Format	
	Resolution	1.024 x 600 px	
	Power supply	USB-C 5 V / 3 A 3,7 V / 11,4 Ah	
	WLAN function	Wireless LAN IEEE 802.11 b/g/n Network Standard 2412-2472 MHz, < 10dBm	
	Service life	6 h	
	Working temperature	0...40 °C	
	Storage temperature	-20...50 °C	
	Housing dimensions	245 x 141 x 53 mm	
	Wöhler pan / tilt camera head Ø 40	Type	1/3" COLOR CMOS
		Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
Lens		f = 2,3 mm, F = 2,5	
Angle of image capture		130°	
Light source		white LEDs (12 pcs.)	
Protection class		waterproof IP 67	
Dimensions		Ø 40 x 60 mm	
Working temperature		0...40 °C, RH 95 % MAX	
Storage temperature		-20...50 °C, RH 95 % MAX	
Transmission frequency for locator		9,2 kHz	
Wöhler miniature camera head Ø 26	Type	1/3" COLOR CMOS	
	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)	
	Lens	f = 2,3 mm, F = 2,5	
	Angle of image capture	145°	
	Light source	white LEDs (12 pcs.)	
	Protection class	pressurized waterproof IP 68	
	Dimensions	Ø 26 x 38 mm	
	Working temperature	0...40 °C, RH 95 % MAX	
	Storage temperature	-20...50 °C, RH 95 % MAX	
	Transmission frequency for locator	9,2 kHz	
Camera rod	Length	20 / 30 m	
	Minimum bending radius	approx. 297 mm	
	Connecting cable to monitor	2 m	
Electronic meter counting	Resolution	23 mm	
	Max. Deviation	5 % from measured value	
Data storage	Internal memory	4 GB / expandable with USB stick	
	Resolution photo recording	1.024 x 600 px (with overlays) 1.024 x 685 px (without overlays)	
	Resolution video recording	720 x 576 px (PAL) 720 x 480 px (NTSC)	
	Recording format	PNG / AVI	
Double-sided suitcase	Dimensions	18 x 46 x 50 cm	
	Total weight incl. monitor, camera head and camera rod	10 kg	
Locator receiver	Display	Graphic display of the camera head position	
	Output impedance headphones	32 Ohm	
	Power supply	3,7 V Lithium-Ion rechargeable battery	
	Working temperature	0...40 °C	
	Storage temperature	-10...40 °C	
	Frequency	8,9 / 9,2 kHz	
	Weight	605 g	
	Dimensions	32 x 14 x 7 cm	