

## VIS 200 / 250 Endoscope

Endoscope with 7" monitor / battery operation or mains supply /  
camera head Ø 26 mm with 12 bright LEDs /

VIS 250 Endoscope with SD memory card data transfer via Mini USB

The VIS 200 / 250 Endoscope serves for the simple analysis of weak spots in wastewater pipes, as well as the maintenance of downpipes and exhaust gas lines. The endoscope can either be battery-operated or supplied by mains-adaptor. The equipment is delivered in a hard case, compact and impresses with its easy handling as well as its quick readiness. The VIS 200 Endoscope measures lengths due to a push rod with length marking, whereas the VIS 250 Endoscope supports electric meter count. Furthermore, the VIS 250 Endoscope can record and document the complete inspection process thanks to its integrated storage. Both instruments possess a water-resistant camera head which is equipped with 12 bright LEDs. Optical analysis of tubes and shafts has never been as easy as with the VIS 200 / 250 Endoscope, which does not even have a problem with bows in pipes with a diameter of only 40 mm. The VIS 250 Endoscope does also possess an option to display where the top and the bottom of the camera head is situated and how many degrees the camera head is lowered or lifted. In addition to that, the VIS 250 Endoscope can be equipped with the Locator L 200, which makes it easier to locate damaged spots. The Locator L 200 is able to spot the camera head from above the ground by measuring the long radio waves which are sent from the camera head, while the endoscope produces both visual and acoustic signals. Those signals help the user to find the affected pipe section. The TFT monitor of the endoscope is swivelling and can even be removed from the hard case (cable length of 2 m) in case that a place is difficult to access. In case that you should have more questions regarding the VIS 300 /350 Endoscope, please read the following technical data, use our contact form or call us: **+44 (0) 2380 98703 0**. Our technicians and engineers will gladly advise you regarding the endoscope or all other products in the field of [Control Systems](#), [Laboratory Equipment](#), [Measuring Instruments](#) or [Scales and Balances](#) of [PCE Instruments Ltd.](#)





- camera head of  $\varnothing$  26 mm
- water-resistant camera head
- light sensitivity of 0.5 lux
- 7 " TFT monitor
- push rod of 20 m length
- battery operation up to 4 h
- 12 bright LEDs
- memory card for VIS 250

### Technical specifications of the VIS 200 / 250 Endoscope

#### Display

Dimensions of the case	176 x 114 x 32 mm
Display	7 " / 16:9 Format
Output / Video Out	FBAS signal
Weight	400 g
Power supply	2 batteries, 12 V each or mains adaptor
Operation time	each battery 120 min = 4 h

#### Camera head $\varnothing$ 26 mm

Miniature camera head	type: 1/3 " COLOUR CMOS
Resolution	420 digit
Pixel	768 x 576 (PAL), 656 x 492 (NTSC)
Light sensitivity	0.5 lux
Lens	f = 2,3 mm, F = 2,5
Angle of image sensing	115 °
Light source	12 white LEDs
Protection	IP 68 (water-resistant)
Dimensions	$\varnothing$ 26 x 38 mm
Weight	240 g
Operating temperature	0 ... +40 °C, RH 95 % MAX
Storage temperature	-20 ... +50 °C, RH 95 % MAX

#### Locator transmitter

Transmit frequency	8,9 kHz
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#### Hard Case

Dimensions	51 x 43 x 17 cm
Weight	7 kg

#### Locator receiver

Display	Graphic visualisation
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#### Output impedance

Headphones	Type 32 Ohm
Power supply	3,7 V Li Ion Akku
Working temperature	0 ... +40 °C
Storage temperature	-10 ... +40 °C
Weight	605 g
Dimensions	32 x 14 x 7 cm



## Length measurement VIS 200 / 250

### VIS 200 Endoscope

Length

Push rod with length marking

Diameter

20 m

Ø 6 mm

### VIS 250 Endoscope

Resolution

Electronic meter count

0,04 m

### Storage (only VIS 250 Endoscope)

Recording

2 GB SD memory card (2,5 h recording)

Interface

Mini-USB

### Applications of the VIS 200 / 250 Endoscope



Here you can see the application of the VIS 200 / 250 Endoscope in a kitchen



The VIS 200 / 250 Endoscope possesses a camera head with 12 bright LEDs

### Delivery content of the VIS 200 Endoscope

1 x VIS 200, 1 x camera head (Ø 26 mm), 1 x TFT monitor, 1 x 2 m connection cable for monitor, 1 x 20 m push rod (Ø 6 mm), 1 x anit-slip mat, 1 x NiMH battery, 1 x charger

### Delivery content of the VIS 250 Endoscope

1 x VIS 250 with video storage and electronic meter count, 1 x camera head (Ø 26 mm), 1 x SD memory card 2 GB, 1 x Mini-USB cable, 1 x TFT monitor, 1 x 2 m connection cable for monitor, 1 x anit-slip mat, 1 x NiMH battery, 1 x charger

### Optional accessories of the VIS 200 / 250 Endoscope

### L 200 Locator Receiver

for the location of the radio signals, the endoscope camera head is sending



### Guide Set 70

for miniature camera head  $\varnothing$  26 mm of the endoscope; for the conduction with GFK camera rod 70 ... 200 mm; can be customized for different diameters

### Centering Sleeve with object protection

for miniature camera head  $\varnothing$  26 mm; protects the camera head and the lens of the endoscope



### Roller Guide

for camera heads and bars of the VIS 200 / 250 Endoscope



### Stabilisation Ball Ø 30 x 27 mm

for GFK camera bars Ø 6; 6,5; 7 mm and  
miniature camera heads of the endoscope



### In-Car Charger for the VIS 300 / 350 Endoscope

Charging with 18 V

- [VIS 300 / 350 Endoscope](#)  
(for a currentless analysis of damages in tubes, colour camera head of Ø 40 mm)



- [PCE-VE 380 Endoscope](#)  
(for the inspection machines and systems, 3,5 " display, camera head of Ø 28 mm)



Here you will find an overview of all the [measuring instruments](#) available at PCE Instruments.

