



VIS 300 / 350 Endoscope with rotatable camera head

Endoscope powered by an accumulator with 7" colour monitor, 360° rotary head and 180° rotating head / VIS 350 with video-memory in SD card / Home-Function / electronic meter count

The rotatable camera head of the VIS 300 / 350 Endoscope guarantees total insight to spots which are difficult to access. With its rotatable camera head, the VIS 300 / 350 Endoscope offers unimaginable options when it comes to the video analysis of narrow tubes, shafts and columns. The lens delivers very precise pictures of the detected cracks, broken welds or seals to the colour display. With a diameter of only 4 mm, the camera head of both models is so small that it is able to fit in almost everything. Moreover, it can be swiveled through 180 ° and even rotated through 360 °. This flexibility opens you completely new insights on damaged wastewater pipes, air pipes, intermediate ceilings or chimneys. In addition to that: The endoscope possesses very bright LEDs, is water-resistant and easy to use. Only one touch of a button makes sure that the device is ready for use. The pictures are then transferred to a colour display where weak points can be detected and evaluated. The integrated video output for the documentation of pictures is also available. Furthermore, the endoscope can either be battery-operated or supplied by mains. The endoscope comes in a hard case which includes camera, monitor and accessories. Another special feature of this endoscope lies in its "Home-Function". If you press the according button, the camera head of the endoscope adjusts automatically to its initial position. The endoscope can also be equipped very cost-efficiently with the Locator L, which makes it even easier to locate damaged spots. The Locator L 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. 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](tel:+442380987030). 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.](#)





- rotatable camera head Ø 40 mm
- 12 white LEDs
- electronic meter count
- Home-Function
- 360 ° rotatable on its axis 180 ° swivelling
- optional radiolocation of the camera head
- 7" colour display
- VIS 350 Endoscope with SD memory card

Technical specifications of the VIS 300 / 350 Endoscope

Display

Dimensions of the case	176 x 114 x 32 mm
Display	7 " / 16:9 format
Output/Video Out	FBAS signal
Video memory	SD card (only for the VIS 350)
Weight	400 g
Power supply	2 batteries, 12 V each or mains adaptor
Operation time	each battery 120 min = 4 h

Camera head Ø 40 mm

Miniature camera head	1/3 " COLOUR CMOS
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 67 (water resistant)
Dimensions	Ø 40 x 60 mm
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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Push Rod

Length	20 m
Diameter	Ø 6,5 mm

Hard Case

Dimensions	510 x 430 x 170 mm
Weight	8,2 kg

Digital length measurement

Resolution	0,04 m
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Locator Receiver

Display	Graphic visualisation
Output impedance	
Headphones	Typ. 32 Ohm
Power supply	3,7 V Li Ion Akku
Operating temperature	0 ... +40 °C
Storage temperature	-10 ... +40 °C
Weight	605 g
Dimensions	320 x 140 x 70 mm

Storage (only VIS 350 Endoscope)

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

Mini-USB

Applications of the VIS 300 / 350 Endoscope



Here you can see the VIS 300 / 350 Endoscope inspecting a canal system.



With the VIS 300 / 350 Endoscope you will be able to track and inspect damages in heating systems.



You can see the display of the VIS 300 / 350 Endoscope in this picture.



The VIS 350 Endoscope is provided with an SD memory card to document and store images.

Delivery content of the VIS 300 Endoscope

1 x VIS 300 Endoscope in a hard case, 1 x rotatable camera head Ø 40 mm, 1 x wide-screen coloured monitor, 1 x 2 m connection cable, 1 x 20 m push rod Ø 6,5 mm, 5 x spare plastic dome, 1 x anit-slip mat, 1 x NiMH accumulator, 1 x in-car charger

Delivery content of the VIS 350 Endoscope

1 x VIS 350 Endoscope in a hard case, 1 x rotatable camera head Ø 40 mm with locator sensor, 1 x wide-screen coloured monitor, 1 x SD memory card, 1 x mini USB-Cable, 1 x 2 m connection cable, 1 x 20 m push rod Ø 6,5 mm, 5 x spare plastic dome, 1 x anit-slip mat, 2 x NiMH accumulator, 1 x in-car charger



Optional accessories of the VIS 300 / 350 Endoscope

L 200 Locator Receiver

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



Roller Guide

for camera heads and bars of the VIS 300 / 350 Endoscope

Bar Element for VIS conduction systems of the VIS 300 / 350 Endoscope

centers the GFK camera rod and serves for the conduction of the camera head in connection with the camera work

Delivery content: 1 x Bar Element of \varnothing 20 cm with 6 strip brushes, one-sided with thread





Stainless Steel Conduction Weight 740 g

compensates the bending of the GFK camera rod when the camera head is lowered

Dome Protection with recess

for the rotatable camera head of \varnothing 40 mm of the VIS 300 / 350 Endoscope



Glass Dome

for the rotatable camera head of \varnothing 40 mm of the VIS 300 / 350 Endoscope

Spare Plastic Domes (10 pieces)

for the rotatable camera head of \varnothing 40 mm of the VIS 300 / 350 Endoscope



Additional Glare Protection for the VIS 300 / 350 Endoscope's monitor

In-Car Charger for the VIS 300 / 350 Endoscope

Charging with 18 V



Below, you will find similar products in the field of endoscope:

- [VIS 200 / 250 Endoscope](#)
(for a currentless analysis of damages in tubes, colour camera head of \varnothing 26 mm)





- [PCE-VE 380N Endoscope](#)
(inspection of damages in machines, pipes etc., camera head of \varnothing 28 mm)



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

