

Inspection Camera PCE-VE 250



Inspection Camera PCE-VE 250

Digital endoscope with cleaning function / Camera head diameter 8.5 mm(0.33 in) / 3.5" TFT LC-Display / 4x optical zoom / Viewing angle 60° / 6 white, dimmable LEDs on the camera head / Memory option on Micro SD card

The Inspection Camera PCE-VE 250 is a diagnostic tool with integrated cleaning function. This makes the Inspection Camera PCE-VE 250 ideal for use on machine components. The cleaning can be done either with compressed air or compressed air in conjunction with water and or detergents. The nozzle for the water and air is located directly next to the camera head of the digital endoscope, allowing very precise work. Another advantage is that the camera head has a light, so that an exact estimation of the point to be cleaned can be made.

The approximately 90 cm / 2ft 11 in long endoscope cable offers semi-flexible properties that allow the cable to be inserted into openings. The cleaning takes place via a trigger. Cleaning can be done with water or detergent. Due to the fact that the corresponding liquid is moved by means of compressed air, it is also possible to clean the machine part only with compressed air. For this purpose, a shut-off valve is mounted in front of the trigger by which the liquid supply can be stopped. This happens only by flipping the valve. If there is still fluid in the endoscope tube due to previous use, it is blown out of the tube and cleaning without liquid is possible.

When diagnosing with the digital endoscope, the images and videos can be saved on a micro SD card. A 4 GB micro SD card is included with the digital endoscope. Also included in the delivery is a liquid container in which cleaning fluid can be filled. The level of this container is also directly visible. The use of the digital endoscope requires a compressed air connection. This requires 6 to 8 bar connection pressure. The charging of the digital endoscope takes place via the USB interface on the device itself. A car charger adapter is included so that the digital endoscope can be charged whilst on the move, as the battery charge nears its end. However, the normal battery life of a charge is four hours in continuous operation.

On the digital endoscope is a camera tube to which both a lighting device and a cleaning device is attached. The lighting can be controlled on the display by the main unit. It is possible to dim the lights or turn them off completely. There are three levels of adjustable brightness. In contrast to the endoscope cable, which has a cable diameter of 4.5 mm / 0.18 in, the camera head has a diameter of 8.5 mm due to the two functions. The endoscope cable is a semi-flexible device that is protected from water, dust and oil by IP67.

- ▶ 8.5 mm/ 0.33 in camera head diameter
- ▶ 3.5" display
- ▶ Adjustable illumination brightness
- ▶ Cleaning function
- ▶ 4 h battery life in continuous operation
- ▶ Cable length ca. 90cm / 2ft 11 in
- ▶ Memory option on Micro SD card
- ▶ Image rotation and reflection on the display

Subject to change

Specifications

Main unit

Display	3.5" TFT LCD
Resolution video function	AVI (640 x 480)
Resolution image function	JPEG (640 x 480)
Image rotation	360° rotation und mirror function
Freeze function	Yes
Zoom	4-fold, digital
Storage medium	Micro SD card (4 GB)
Menu languages	German English Spanish French Russian Japanese simplified Chinese traditional Chinese
Interfaces	Micro USB 2.0, TV output, Micro SD card slot
TV output	PAL
Power supply	Li-ion battery (2600-mAh)
Typical battery life per battery charge	4 hours in continuous operation
Protection class	Splashproof

Endoscope cable

Camera head diameter	8.5 mm / 0.33 in
Cable diameter	4.5 mm / 0.18 in
Cable length	ca. 90 cm / 2ft 11 in
Camera resolution	720 x 576 Pixel
Camera lighting	6 white LEDs (adjustable intensity)
Field of view / angle of view	60°
Field of view depth	30 ... 60 mm / 1.18 ... 2.36 in
Push cable	semi-flexible

Environmental conditions of digital endoscopePCE-VE 250

Operating temperature probe	In air: -10 ... 50°C / 14 ... 122°F In water: 5 ... 50°C / 41 ... 122°F
Operating temperature main unit	In air: -10 ... 50°C / 14 ... 122°F
Relative humidity probe and main unit	15 ... 90%
Liquid resistance probe and main unit	Machine oil, light oil or saline solution 5%
Probe	Water, oil and dust, to protection class IP67
Main unit	Splash-proof (with closed battery compartment) not usable under water

Subject to change