

Industrial Borescope PCE-VE 200UV



**UV Industrial Borescope PCE-VE 200UV for non-destructive machine diagnostics /
Camera head diameter: 10 mm / 3.5" LC Display / 2600 mAh battery / Cable length 1 m /
Front and side view / Card slot for micro SD card**

The Industrial Borescope PCE-VE 200UV has a dual LED illumination with UV light source and white light LED. The wavelength of the UV LED is in the UV-A range at 365 nm. Due to the switchable light source between UV light and white light LED as well as the possibility to use both light sources combined, the UV videoscope PCE-VE 200UV can be used very flexibly. The possibility to switch between front and side camera expands the range of applications, since not only the frontal, but also the lateral field of view can be illuminated with UV light and white light. The 1m long, semi-flexible camera tube with a diameter of 10 mm is guided by a handle which also offers the possibility to switch between front and side camera by pressing a button and to dim the light source depending on the ambient conditions.

A digital zoom and image rotation function is also integrated in the UV Industrial Borescope. With the UV-Industrial Borescope, both images and video sequences can be recorded and stored on an SD card. The subsequent evaluation of the recorded data is possible at any time. The UV Industrial Borescope is therefore excellently suited for use in non-destructive testing (NDT) in test methods such as the fluorescent penetrant test or the fluorescent dye penetrant test to visualize defects or grinding cracks, hot or cold cracks or even stress cracks on surfaces. Crack tests in engine cylinders, combustion chambers or turbines are thus possible. Deposits and organic residues in the area of criminalistics as well as oils adhering to component surfaces with autofluorescence can thus be visualized in hard-to-reach areas with the UV Industrial Borescope.

- ▶ Wavelength of the UV light source: 365 nm
- ▶ Camera head diameter: 10 mm / 0.39"
- ▶ 3.5" LC Display
- ▶ 2600 mAh battery
- ▶ Cable length: 1m / 3ft 3"
- ▶ Card slot for micro SD card
- ▶ Camera: front and side view

Specifications

Display	3.5" LCD
Resolution video function	AVI (640 x 480)
Resolution image function	JPEG (1600 x 1200)
Image rotation	180° rotation and mirror function
Freeze function	yes
Zoom	up to 4-times
Storage medium	Micro SD card
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	rechargeable Li-ion battery
Battery capacity	2600 mAh
Operating conditions	-10 ... +40 °C / 14 ... 104 °F, rel. humidity <75 %
Cable diameter	10 mm / 0.39"
Image sensor	1/8" CMOS chip
Camera resolution	640 x 480 pixel
Camera lighting	6 white LEDs (intensity can be set)
Field of view / angle of view	front and side view
Field of view depth	15 ... 100 mm / 0.59 ... 3.93"
Length of camera cable	1 m / 3ft 3"
Push cable	semi-flexible

Ambient conditions of the camera cable

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%
Fluid resistance probe and main unit	machine oil, light oil or saline solution 5%
Probe protection against penetration	water, oil and dust, according to protection class IP67
Main unit protection against penetration	rain and wind (battery compartment must be closed) not under water

Subject to change