

Technical Inspection Camera PCE-VE 200 KIT1

PCE-VE 200 Inspection Camera

Video inspection camera for nondestructive evaluation (NDE) and machine diagnostics

PCE-VE 200 is a video inspection camera, for nondestructive evaluation (NDE) and machine diagnostics. The PCE-VE 200 video borescope provides excellent image quality at an affordable price. An ideal tool for diagnosing hard-to-reach places, the scope can be rotated 180 ° and offers 6 LED lights with adjustable intensity for optimal illumination. In addition, digital image magnification or zoom of up to 4 times is available. The borescope stores the recorded images and videos directly to a micro SD card memory. The 3.28 ft cable length and 0.18 in cable diameter allow the video inspection camera unique access to view the insides of walls, pipes, vents, ducts, engines and machinery, thus eliminating the need for costly and time-consuming dismantling. Mechanical engineering, manufacturing, automotive, aviation, construction, plumbing and heating, ventilation, air conditioning and refrigeration (HVACR) professionals alike find this video inspection camera useful in a variety of applications.

- 3.5 in LCD display
- 3.28 ft cable length
- 0.18 in cable diameter
- 1/8 in camera head / CMOS chip image sensor
- 1600 x 1200 pixels JPEG image / 640 x 480 pixels AVI video resolution
- Micro SD card memory
- Micro USB 2.0 and TV outputs

Technical specifications

Display	LCD, 3.5 in
Resolution	1600 x 1200 pixels JPEG image / 640 x 480 pixels AVI video
Image rotation	180 ° and mirror functionality
Freeze functionality	Yes
Zoom	Up to 4 times digital image magnification
Menu languages	English, Spanish, French, German, Russian, Japanese, Simplified Chinese, Traditional Chinese
Cable diameter	4.5 mm / 0.18 in cable diameter
Cable length	1 m / 3.28 ft
Cable rigidity	Semi-flexible (semi-rigid spiral)
Camera head	1/8 in CMOS chip image sensor
Lighting	6 white LEDs (adjustable intensity)
Field of view / perspective	90 °
Sight depth	15 ... 100 mm/0.59 ... 3.93701 in
Storage medium	Micro SD card
Interfaces	Micro USB 2.0, TV output (PAL), Micro SD card slot
Power supply	Li-ion battery

Battery capacity	2600 mAh
Operating conditions	Main unit and probe, in air: -10 ... +50 ° C / +14 ... +122 ° F, rel. humidity 15 ... 90% Probe, in water: +5 ... +50 ° C / +41... +122 ° F
Fluid resistance	Main unit and probe: Machine oil, light oil or 5% saline
Protection against	Main unit: Blowing rain (battery compartment must be closed), not underwater Probe: Water, oil and dust, according to protection class IP67

Air Flow Meter PCE-VA 20 -SET incl. Flow hood

Impeller anemometer with backlit / 10 cm diameter impeller / for measuring various parameters / parameters / extreme value measurement / HOLD function / auto power off / Low battery warning indicator

The impeller anemometer is a measuring instrument for various wind related parameters. It has got an impeller diameter of ten centimeters. Moreover, if required, it is possible to order a set of flow hoods which provide a fast and reliable method which helps to use the 100 mm large impeller head optimally. The flow hoods can be ordered only as a set which consists of one round and one square flow hood. The round flow hood comes with a diameter of 210 mm and the square flow hood has the dimensions of 346 x 346 mm. This allows checking ventilation systems, air conditioning systems or similar with the help of the flow anemometer. For that purpose the flow hood is mounted on the impeller anemometer and then the whole construction is placed on the air source to be tested. The rubber at the end of the flow hood ensures that the checked chambers are closed.

The impeller anemometer PCE-VA 20 allows measurements of wind speed, flow, temperature, relative humidity, dew point and wet bulb temperature. This is a versatile environmental meter, which provides extensive measuring results. The impeller anemometer also provides extensive features such as an extreme value measurement, HOLD function, backlight, automatic power off and a low battery charge warning function. It all makes it and as much easy and comfortable as possible for the user.

If you have any further questions concerning the impeller anemometer, you are welcome to check the following technical specifications or to use our contact form, or to call us. Our technicians and engineers will be glad to give any kind of assistance concerning the impeller anemometer or all the other products from the section control systems, laboratory technology, measuring instruments or weighing equipment of the PCE Instruments.

- incl. Flow hood

- 10 cm diameter impeller
- Backlight
- Automatic power off
- Extreme value measurement
- HOLD function
- Low battery indicator

Technical Specification

Wind speed measurement range	0.2 ... 30 m / sec.
Wind speed accuracy	<20 m / sec. : ± (1.5% of the MW + 0.3 m / sec.) > 20 m / sec. : ± (3% MW of +0.3 m / sec.)
Air temperature measuring range	-20 ... +60 ° C
Wind temperature accuracy	± 0.6 ° C
Wind temperature resolution	0.1 ° C / ° F
Humidity measuring range	0.1 ... 99.9% RH

Humidity resolution	0.1% RH
Humidity accuracy	± 3% RH (at 25 ° C and 10 ... 90% RH) other: ± 5% RH
Temperature response time	60 seconds
Humidity response time	60 seconds
LCD update	1 x per second
Wet bulb temperature display	-20 ° C ... +59,9,9
Dew point display	-5 ... +59.9 ° C
Flow rate display	0 ... 99999 m ³ / min
Flow resolution	0.1 (0 ... 9999.9) or 1 (10000 ... 99999)
Automatic power off	after 20 minutes of inactivity
LCD size	32.5 x 54 mm (H x W)
Operating Conditions	0 ... + 50 ° C, RH <80%
Storage conditions	-10 ... +50 ° C, RH <90%
Dimensions	269 x 106 x 51 mm
Weight	approx. 200 g
Power supply	4 batteries (AAA)

Delivery Contents

- 1 x PCE-VE 200 camera
- 1 x USB cable
- 1 x USB adapter
- 1 x User Manual
- 1 x impeller anemometer PCE-VA 20-SET
- 4 x battery (AAA)
- 1 x flow hood square**
- 1 x flow hood round**
- 1 x Carrying Case
- 1 x User Manual

Background info