



PCE Americas Inc.  
711 Commerce Way  
Suite 8  
Jupiter  
FL-33458  
USA  
From outside US: +1  
Tel: (561) 320-9162  
Fax: (561) 320-9176  
info@pce-americas.com

PCE Instruments UK Ltd.  
Units 12/13  
Southpoint Business Park  
Ensign way  
Hampshire / Southampton  
United Kingdom, SO31 4RF  
From outside UK: +44  
Tel: (0) 2380 98703 0  
Fax: (0) 2380 98703 9  
info@pce-instruments.com

[www.pce-instruments.com/english](http://www.pce-instruments.com/english)  
[www.pce-instruments.com](http://www.pce-instruments.com)

## Technical Automotive Tester PCE-VE 320HR

PCE-VE 320HR is an automotive tester, borescope, inspection camera or endoscope for the non-destructive inspection (NDI) of engines, machines and more. This industrial borescope is an ideal tool for diagnosing issues in hard-to-reach places. The waterproof camera head features 6 LED lights (4 front, 2 side) for better illumination when using the mirrors. In addition, digital image magnification or zoom of up to 2 times is available, plus boost function for improved image quality in the dark.

The borescope stores the recorded images and videos directly to an SD card memory (included), allowing easy transfer to a PC. The 1 m / 3.28' cable length and 5.5 mm / 0.22" 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.

\*\*\*Not for medical use\*\*\*

- Features a 5.5 mm / 0.22" diameter waterproof camera head, picture and video recording capabilities, bright LED lights, and a 1 m / 3.28 ft long semi-flexible / semi-rigid cable
- Comes with a 3.7 V rechargeable lithium-ion battery and a 3.5 in. TFT LCD monitor
- Includes an SD memory card, hard carrying case, cleaning kit and mirror attachments for 70°, 90°, and 110° angle viewing around bends and corners
- 6 LEDs (2 at the front, 2 at the sides for better illumination when using the mirrors)
- Boost function offers improved image quality in dark environments

**Technical Specifications:**

Cable diameter	5.5 mm / 0.22 in.
Cable length	1 m / 3.28 ft
Depth of field	1.5 ... 10 cm / 0.59 ... 3.94 in.
Field of view	67°
Bending radius	90 mm / 3.54 in.
Illumination	6 LEDs (4 front, 2 side)
Boost function	For improved image quality in the dark
Image sensor	CMOS
Picture rate	30 frames per second (fps)
Display	88.9 mm / 3.5 in. TFT LCD monitor
Interface	Mini USB 1.1 / AV out
Storage options	Image or video
Storage	8 GB memory card (can be increased to 32 GB)
Compression format	MPEG 4
Picture format	JPEG (640 x 480 pixel resolution)
Video output format	NTSC / PAL
Video format	ASF (320 x 240)
Operation and storage temperature	-10 ... +60 Å°C / +14 ... +140 Å°F
Voltage supply	Rechargeable 3.7 V lithium-ion battery
Dimensions, handheld device	207 x 118 x 37 mm / 8.15 x 4.65 x 1.46 in.
Weight, incl. carrying case	450 g / 1 lb
Protection type, camera	IP 68 = No ingress of dust; complete protection against contact (dust tight) and waterproof; meaning it can be underwater for 30 minutes at depths of up to 1.5 m

**Delivery Conntents:**

- 1 x PCE-VE 320HR automotive tester / borescope
- 1 x SD memory card
- 3 x mirror attachments (for 70°, 90°, and 110° angle viewing)
- 1 x USB cable
- 1 x RCA video cable
- 1 x wall charger
- 1 x cleaning kit
- 1 x hard carrying case
- 1 x user manual