



Versatile video borescopes for the inspection of technical installations



Boreoscopes are ideal for quick and non-destructive visual inspections in cavities and other hard-to-reach areas. This applies just as much to condition monitoring as it does to quality assurance or the localisation of sources of defects. Due to the wide range of possible applications, there are various versions of inspection cameras with a wide range of features. In order to be able to cover as many tasks as possible with a single video borescope, PCE Instruments offers the video inspection cameras of the PCE-VE 1000 series where the user has the possibility of selecting several camera cables for one borescope and, if necessary, simply exchanging them for each other.

Wide selection of different borescope cables can be connected

Semi-rigid or flexible cables with diameters from 3.9 to 6 mm and lengths between one and ten metres allow easy visual inspections in very narrow areas as well as larger cavities. The camera resolution is either 320 x 240 or 640 x 480 pixels. The models with front and side camera or articulating camera head allow targeted viewing of different areas during the inspection. Even for the continuous inspection of long pipes and ducts, a special borescope cable with a 28 mm diameter and a length of 30 m including cable drum is available. The cable drum does not only facilitate transport and storage, it also ensures that the borescope cable is not bent too much when it is rolled up. An optionally available centering brush keeps the camera at a distance from the object walls when inspecting larger cross-sections. It thus protects the high-resolution camera and facilitates the movement.

Rugged main unit with large display, various connections and functions

The compact main unit of the PCE-VE 1000 series has a 7-inch display. The operating keys to the left of it allow almost intuitive operation. Flexible side handles, a stand-up foot and the foldable visor make handling easier, even under difficult local conditions. During the visual inspection, important images or video recordings can be saved to an SD card or transferred to a computer via a USB cable. The integrated microphone also allows direct sound recording during video recording. At a keystroke, the image on the display can be rotated, flipped and zoomed. The image brightness can be adjusted in steps. The current image can also be displayed on a larger screen via the AV or USB connection.

The wide range of interchangeable camera cables are a particular advantage of the PCE-VE 1000 series. The robust inspection cameras are easy to operate and can also be used under rough conditions, owing to its IP57 protection, possible ambient temperatures of zero to 60 °C and a drop height of 1 m.

More information can be found here https://www.pce-instruments.com/english/measuring-instruments/test-meters/industrial-borescope-kat_40041.htm

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