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Technical Inspection Camera PCE-VM 21

The PCE-VM 21 consists of an optical microscope, CCD camera and monitor with LCD display. Due to the 75-fold magnification, it is possible to view very small parts very clearly. The PCE-VM 21 microscope is ideal for investigating solder joints on printed circuit boards, material defects on metal surfaces and more, making the PCE-VM 21 microscope a vital addition to your workshop.

- Continuous magnification from 10 ... 75 times
- Adjustable height for viewing of larger objects
- Transmitted light and incident light illumination
- Data transfer to PC via USB 2.0 connection
- User-friendly menu in 8 different languages
- Screen resolution of 800 x 600 pixels
- Fixed-increment, crossed-scale reticle for orientation purposes
- Direct viewing on the LCD display
- Digital video recording functionality
- Aluminum carrying case

Technical specifications

Total unit

Display 8" LCD

Resolution 800 x 600 pixels

10 ... 75 times, continuous

The magnification is the ratio between the object as observed on the screen and Magnification

the actual size of the object. Relevant parameters are the enlargement of the lens /

CCD eyepiece and size of the CCD lens / display.

13.5 mm x 10 mm ~ 2.1 mm x 1.5 mm

Field of view 0.5 in x 0.4 in ~ 0.08 in x 0.06 in

Power supply 100 ... 240 VAC, 50/60 Hz

Optical object lens of the microscope

Focus of the CCD

0.5 times

eyepiece

Focus the main

0.7 times ... 4.5 times

Focus of the total

optical lens

optical lens

0.35 times ... 2.25 times

Working distance 95 mm / 3.7 in

CCD camera

Display chip Sony

Horizontal

700 TVL

resolution

Light source Reflected and transmitted light, lighting adjustable

Video output 1.0Vp-p, 75 Ω

Video mode PAL

Operating voltage 12 VDC

Connections USB 2.0, AV out

System

requirements

Windows 2000

Min. 40 mm / max. 210 mm

Working height
Min. 1.6 in / max. 8.3 in

Power supply 100 ... 240 V AC, 50/60 Hz

Baseplate: 235 mm x 155 mm x 64 mm

Dimensions
9.3 in x 6.1 in x 2.5 in

Height of the

vertical axis

250 mm / 9.8 in

Weight Approx. 4.8 kg / 10.6 lbs

Halogen lamp

Operating voltage 100 ... 240 VAC, 50/60 Hz

Upper lamp 10 W / 12 V Lower lamp 10 W / 12 V

Delivery contents

1 x PCE-VM 21 microscope

1 x USB interface cable

1 x video cable

1 x power cable

1 x dust cover

1 x aluminum carrying case with key

1 x object plate, glass

1 x contrast plate, black / white

1 x spare bulb for incident light illumination

1 x spare bulb for transmitted light illumination

1 x spare fuse

1 x cleaning cloth

1 x user manual