LCD MICROSCOPE

PCE-LCM 50



- **Adjustable digital zoom**
- **Carrying handle for easy transport**
- **User interface can be operated via PC mouse**
- **Contrast disc and transmitted light disc**
- **Adjustable optical magnification**
- **Video and photo shoot**

The inspection camera offers the possibility to enlarge small objects quickly and easily. During the analysis, the enlarged image on the inspection camera can be saved by mouse click directly on the supplied Micro-SD card and evaluated or sent to the PC for later analysis. The magnification factor of the inspection camera is between 8.1 and 32.4. As a result, even smaller objects in the inspection camera can be magnified well.

The incident light ring on the inspection camera consists of 21 LEDs. The inspection camera also has another lighting unit in the base for transmitted-light microscopy. In addition, the entire lighting can be set separately in the inspection camera in 5 stages. Also helpful is the user interface, in which the digital brightness in the inspection camera can be set manually as well as automatically. Because of the two lighting methods and the extensive setting options of the lighting, almost every object to be analyzed can be optimally illuminated with the inspection camera.

Specification

General technical data	
Display size	9 Inch
Display resolution	1024 x 600 pixels
Interface	USB
Sensor	CMOS
Sensor additional information	Size: 1/3 inch, resolution: 3 MP
Light source	Incident light illumination: ring with 21 x 20 mA LEDs, 5 levels adjustable Transmitted light illumination: 7 x 20 mA LEDs, 5 levels adjustable
Working distance	90.5 mm
Magnification	8.1 ... 32.4 x
Objective	Optical lens: 1 ... 4x Barlow lens: 0.3x
Dimensions	Max. object height: 4 cm Fixed working distance: 90.5 mm / 3.6 in
Frame rate	30 FPS
Menu language	English (US), German, French, Chinese, Korean
Protection class (device)	IP20
Power supply	Primary: 100 ... 240V
Connector type	Device Europlug
Operating conditions	-5 ... 40 °C , 45 ... 85 %RH
Storage conditions	-5 ... 40 °C , 45 ... 85 %RH
Dimensions (L x W x H)	300 x 225 x 270 mm
Weight	2300 g

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