DIGITAL MICROSCOPE

PCE-PBM 100



- **Abbe condenser with adjustable iris**
- **Diopter adjustment on the right eyepiece**
- **Adjustable eye relief**
- **Trinocular**
- **With cross table 125 x 125 mm**
- **4 lenses up to 100x magnification**
- **LC Display 800 x 600 pixels**
- **Video output**

360° rotating head with adjustable eye relief / Diopteradjustment / LC display

The digital microscope impresses with its diverse application options in teaching and laboratory operations. Due to the technical equipment and great reliability, the digital microscope is particularly well suited to be used in advanced teaching facilities as well as in laboratories. The tripod from the digital microscope consists of the light yet strong material, aluminum, and is modern and ergonomically shaped. The eyepieces are very user-friendly, since both the diopter and the eye relief can be adjusted. This makes it easy for people who wear glasses to work with the digital microscope. There is also a rheostat on the side of our digital microscope with which the brightness can be easily adjusted. The LED light from the digital microscope is very durable and requires little maintenance. The color temperature is similar to that of sunlight, so an examination under the digital microscope is possible that is comparable to that under daylight. The LCD screen built on the 3rd eyepiece enables viewing of the specimen through the eyepieces and simultaneously on the screen. This allows e.g. when used in schools, the teacher to quickly check the settings and the preparation. As a further option, the screen offers an output option to an external imaging device such as a large screen or projector.

Specification

General technical data	
Outputs	Video output highest resolution: 1024 x 768 at 75 Hz
Display type	LCD
Display size	13 Inch
Display resolution	800 x 600 pixels
Camera resolution	976 x 582 pixels
Light source	3.5 V 1 W LED
Working distance	37.50 mm, 7.316 mm, 0.632 mm, 0.198 mm
Magnification	4 ... 100 x
Head	Trinocular 360 ° rotatable 30 ° angled view Dioptre adjustment on the right Interpupillary distance adjustable 55 ... 75 mm
Lens	Eyepieces: WF 10x wide field eyepieces Lenses: 4
Image / video format	PAL, SECAM
Dimensions	Cover glass: 0.17 mm Tube length: 160 mm Conjugate distance: 195 mm Cross table: 125 x 125 mm Displacement: 40 x 60 mm Lift: 14 mm
Numerical aperture	0.1 mm, 0.25 mm, 0.65 mm, 1.25 mm
Focus	31.04 mm, 17.13 mm, 4.65 mm, 2.906 mm
Menu language	English, English (GB), Chinese
Protection class (device)	IP20
Power supply	230V AC | 50 Hz
Connector type	Cold-device plug
Operating conditions	0 ... 40 °C , 0 ... 85 % RH
Storage conditions	0 ... 40 °C , 0 ... 85 % RH
Dimensions (L x W x H)	550 x 320 x 210 mm
Weight	5100 g

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