

# Microscopes

## PCE-MM 200

Microscope with USB connection and software for images and video, magnifies up to 200x

This digital microscope, equipped with a USB interface, is specifically designed for viewing and inspecting all types of very small elements and components. The microscope comes with a wide, adjustable magnification range of between 10 and 200x and has four white LEDs situated around the lens in such a way as to allow for optimal illumination of the object being observed at all possible angles. Its easy to use: Connect to a USB port, adjust the magnification and press the button to capture the image. Images and video sequences are easily captured by a computer directly, and can be used later in presentations or for analysis (allowing the user to incorporate a projector for effective presentation of data to a group of people).

- Adjustable magnification range from 10 to 200x
- High illumination from integrated white LEDs
- USB port to power the microscope and transfer data to a computer
- Allows image and video capture in conjunction with software which is included
- Transmission of up to 30 frame per second
- Display resolution up to 1280 x 1024 pixels
- Tripod included



### Technical specifications

Resolution	1280 x 1024 pixels
Magnification	10 to 200x (continuous adjustment)
Colours	24 bit RGB
Focus	4 x LED
Image transfer rate	up to 30 frames per seconds
Video format	AVI
Interface	USB 2.0
System requirements	Windows 98
Power	via USB interface
Dimensions	110 x 33 mm
Weight	90 g

### Contents

PCE-MM 200 microscope, tripod, software, USB cable and user's manual

Model No.	Description
PCE-MM 200	Microscope with USB connection



## PCE-ME 100

Eyepiece microscope with USB connection for using with a microscope

Using the eyepiece microscope, it is possible to connect a microscope to a computer via a USB port and as such, document an analysis or make a visible presentation for a wider audience, such as in classrooms or meetings. The eyepiece microscope utilizes the microscope's eyepiece to produce an image resolution of 1280 x 1024 pixels. The eyepiece microscope allows for an actual microscope to be economically fitted with a videomicroscope as a technical upgrade. This eyepiece microscope is one of the most innovative devices in the range of microscopes available on the market today. Thanks to its adaptor, the eyepiece microscope can be used with any microscope that has an eyepiece diameter of 23 or 30mm. With the software package, which comes included, it's possible to save, edit or make notes on a computer, of observations that have been made.

- Quick and easy to set up
- Connects to a computer via the USB port
- It can be used with any microscope that has an eyepiece diameter of 23mm or 30mm
- Captures individual images or video sequences
- Resolution of 1280 x 1024 pixels
- Software is included



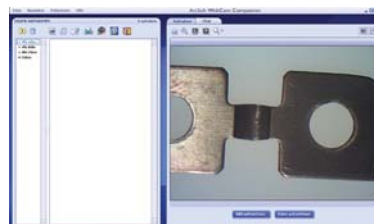
### Technical specifications

Resolution	1280 x 1024 pixels
Magnification	10x
Colours	24 bit RGB
Compatible eyepiece diameters	23 mm & 30 mm
Image transfer rate	30 / s
Video format	AVI
Interface	USB 2.0
System requirements	Windows 98 or higher
Power	USB interface
Dimensions	90 x 50 mm
Weight	150 g

### Contents

PCE-ME 100 eyepiece microscope, adaptor, software, USB cable and user's manual

Model No.	Description
PCE-ME 100	Eyepiece microscope



## PCE-BM 200

Professional microscope with display and magnification of up to 1600x

This microscope replaces traditional eyepieces with an LCD Screen for easy and comfortable viewing for yourself and to share with others. The microscope also features a built-in digital camera for quick and easy snapshots or short videos. Store captured photos and clips on the optional SD card or transfer them to your personal computer via included USB cable. This innovative product combines advanced professional grade microscope features and an easy to use point and shoot camera. The microscope is an ideal tool for up close examination of everything from stamps, coins and other common objects to specimen slides of yeasts, molds, cultures, fibers, bacteria and insects.

- Magnification from 40 to 400x, up to 1600x with Digital Zoom
- Vertical adjustment for larger objects
- Reflected and transmitted light
- Data transmission via USB
- Image shown directly on 3,5 " display
- Image store function (SD card)
- Top and bottom LED illumination
- Six position color filter wheel
- USB cable for transferring images to a PC



### Technical specifications

Resolution	2 MP
Magnification	from 40 to 1600x
Eyepieces	10x
Lenses	4x, 10x, 40x
Light source	transmitted and reflected light
Display	3,5 "
Picture format	JPG
Video format	AVI
Interface	USB 2.0
System requirements	Windows 98 or higher
Power	230 V / 50 Hz
Weight	4500 g

### Contents

PCE-BM 200 microscope, cross table, color filter disc, duration preparations, slides and cover glasses, yeast, seasalt, bag and user's manual

Model No.	Description
PCE-BM 200	Microscope with monitor

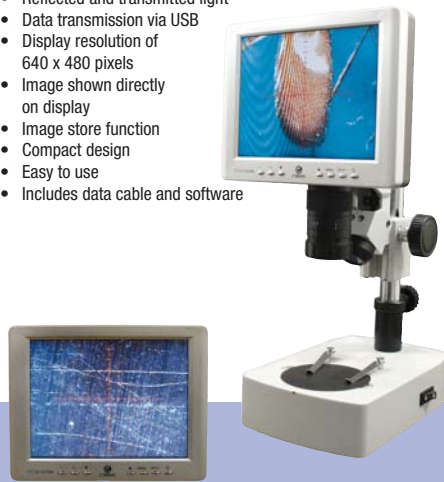


## PCE-VMS 200

Workshop microscope with display and magnifies up to 100x

The workshop microscope is composed of an optical microscope, a CCD camera and an LCD. Thanks to its 100x magnification, it is easy to visualize very small objects and is a very useful device in workshops for inspecting soldering joints or surface defects or damage to metal. The images that can be seen on the LCD can also be transferred to a computer via the USB cable for further analysis. Also, thanks to its vertical adjustment, it is possible to investigate larger objects. It has the ability to use reflected light or transmitted light allowing for inspection of transparent materials, non-transparent materials or solids. It is an attractive device due to being easy to use and for its versatility.

- Continuous magnification from 10x to 100x
- Vertical adjustment for larger objects
- Reflected and transmitted light
- Data transmission via USB
- Display resolution of 640 x 480 pixels
- Image shown directly on display
- Image store function
- Compact design
- Easy to use
- Includes data cable and software



### Technical specifications

Resolution	640 x 480 pixels
Magnification	from 10 to 100x
Light source	transmitted and reflected light
Interface	USB 2.0
System requirements	Windows 98 or higher
Power	230 V / 50 Hz
Measurement distance	100 mm
Weight	4500 g

### Contents

PCE-VMS 200 microscope, software, USB cable, case and user's manual

Model No.	Description
PCE-VMS 200	Microscope with monitor

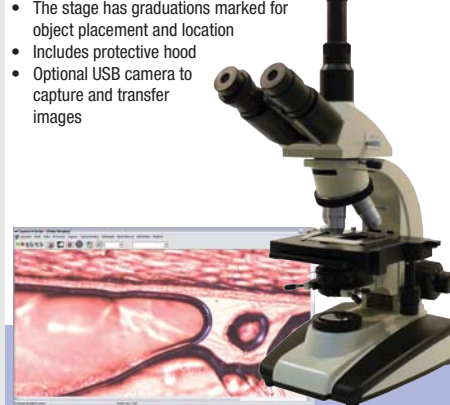


## PCE-TM 2000

Triple eyepiece microscope with optional camera, magnifies up to 2000x

The PCE-TM 2000 laboratory microscope is a durable device. This laboratory microscope magnifies up to 2000x and can be adjusted by rotating the lens mechanism. This triple eyepiece microscope allows for an optional USB camera to be connected with a dioptic correction of up to 5. Samples are illuminated by this microscope by way of transmitted light using a powerful halogen bulb. The combination of accuracy and durability make this laboratory microscope an ideal tool for daily use. We also offer an optional micro lens which attaches to the eyepiece of the microscope allowing images to be viewed directly on a computer display allowing them to be processed and documented for later use.

- Magnification from 80x to 2000x
- Four lenses on a rotating mechanism
- Uses reflected light
- Transmits data via a USB 2.0 connection
- 45° binocular tube
- Distance between eyepieces can be adjusted
- The stage has graduations marked for object placement and location
- Includes protective hood
- Optional USB camera to capture and transfer images



### Technical specifications

Magnification	80x, 200x, 800x, 2000x
Eyepieces	20x
Lenses	4x, 10x, 40x, 100x
Light source	reflected light
Illumination	6V / 20W halogen bulb
Tube	angle 45° / rotation 360°
Power	230 V / 50 Hz
Weight	7.5 kg

### optional USB camera

Resolution	1600 x 1200 pixels (2 MP)
Interface	USB 2.0

### Contents

PCE-TM 2000 laboratory microscope, one graduated platform, two eyepieces, four lenses, hood and user's manual

Model No.	Description
PCE-TM 2000	Microscope

### Optional accessories

PCE-ME 2000	USB camera
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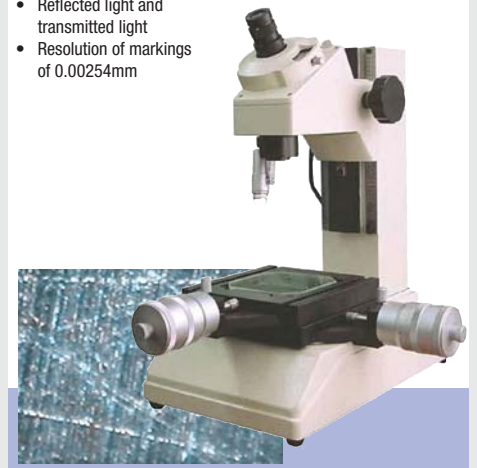


## PCE-XM 100

Durable microscope with integrated micrometer, magnifies up to 150x

This microscope has a mechanism to aim the lens over the area to be viewed (crosshairs in the eyepiece) and a positioning tool with a system of measurement to help locate a specific area (x-y markings on the plate). This allows the user to focus upon a single point on the surface of the plate and to continue moving the image until the next reference point appears under the crosshairs and to read and record the distance. This allows for perpendicular distances to be tracked with the eyepiece. This micrometer is attractive for its high measurement resolution, because it is easy to use and for its durable design. This device can be used in practically all types of industries.

- Standard magnification of 30x (with an optional lens this can be increased to 150x)
- Measurements with an integrated micrometer
- Reflected light and transmitted light
- Resolution of markings of 0.00254mm



### Technical specifications

Magnification	30x (150x with optional 10x lens)
Eyepieces	15x
Lenses	2x (10x optional)
X-Y markings on the plate	50 x 50 mm
Resolution of markings	0.00254 mm
Angle of resolution	1°
Maximum measurement distance	67 mm
Scribing block	152.4 mm
Illumination	reflected light / transmitted light (24V)
Power	230 V / 50 Hz
Weight	19 kg

### Contents

PCE-XM 100 microscope, lens 2x, eyepiece 15x, light bulb, replacement light bulb, plate, micrometer, replacement fuse, mains adaptor, carrying case and user's manual

Model No.	Description
PCE-XM 100	Microscope

### Optional accessories

PCE-OB 10X	Lens 10x
PCE-ME 100	Eyepiece microscope

