

Three eye phase contrast microscope BMP-PH (BM-PH)

Purpose:

A phase contrast microscope is developed based on the principles of micro optical imaging and the theory of phase contrast microscopy technology. It is suitable for the observation and study of low contrast, unstained live sample specimens in cytology, bacteriology, fresh blood specimens, and aquatic plankton, among others.

The BM-PH three lens phase contrast microscope uses an electric light source, with continuously adjustable brightness. The hinged barrel is tilted at 30° and can rotate freely 360 degrees.



Technical specifications:

(1) Eyepiece:

Category	Magnification	Field of view diameter
Eyepiece	10X	Φ18mm
	16X	Φ11mm

(2) Objective:

Category	Magnification rate	Numerical Aperture	Work distance
Achromatic objective	4X	0.10	37.5mm
	10X	0.25	7.31mm
	40X	0.65	0.63mm
	100X(Oil)	1.25	0.18mm

(3) Objective:

Category	Magnification rate	Numerical Aperture	Work distance
Phase contrast objective	10X	0.25	7.31mm
	40X	0.65	0.63mm
	100X(Oil)	1.25	0.18mm

(4). Mechanical cylinder length: 160mm

(5). Magnification factor: 40X-1600X

(Total magnification of microscope: Total magnification of microscope=objective magnification x tube coefficient magnification x eyepiece magnification)

(6). Stage size: moving platform 160 x 140mm, moving range: 80 x 50mm, cursor: 0.1mm

(7). Pupil distance: 55-75 mm

(8). Focusing device: 30mm coarse micro motion focusing coaxial mechanism with fine adjustment grid value of 0.002mm

(9). Spotlight mirror: N A. 1.25 adjustable Abbe condenser with variable light bar, phase contrast condenser with variable light bar

(10). Color filter: blue, yellow, green

(11). Light source: halogen lamp 6V20W, AC85V-230V, brightness adjustable