

**BPM-620 Portable Metallurgical Microscope**

BPM-620



BPM-620M (with magnetic base)

**Introduction**

BPM-620 Portable Metallurgical Microscope is mainly used in field to identify the structures of all kinds of metal and alloy when failure in making sample. It adopts a rechargeable vertical LED illuminator, which provides even and adequate illumination. It can work more than 40 hours after one charge.

The magnetic base is optional, it can be adsorbed solidly on the work piece, it is adapted to various diameter pipes and flat, the magnetic base can be adjusted from X, Y directions. Digital cameras can be used with the microscope for image, video capture and analysis.

**Application**

BPM-620 can be widely used for metallographic inspection, analysis and processing of large steel or semi-finished and finished workpieces on site and in the field, identification of casting quality, inspection of raw material or metallurgical structures, normal research and analysis of processed material in factory and laboratory, also can be used in antique gem and surface observation.

## Specification

Item	Specification	BPM-620	BPM-620M
Eyepiece	Plan eyepiece 10X/18mm	●	●
	Plan eyepiece 10X/18mm with reticles	○	○
	Plan eyepiece 12.5X	○	○
	Plan eyepiece 20X	○	○
Objective	Long working distance plan metallurgical objective, 10X/ NA=0.25, WD=10mm	●	●
	Long working distance plan metallurgical objective, 40X/ NA=0.60, WD=0.5mm	●	●
	Long working distance plan metallurgical objectives, 4X, 20X and 50X	○	○
Total Magnification	100X, 400X	●	●
Microscope Body	Mechanical tube length: 160mm, coarse focusing range: 23mm, fine focusing range: 1.5mm	●	●
Illumination	LED lamp (chargeable), brightness adjustable	●	●
Charger	Battery charger, 220V 50A, 60Hz. Battery output: 3.6V	●	●
Magnetic Base	X, Y directions adjustable	○	●
Aluminum Box	Aluminum box	●	●
Camera	Digital Cameras	○	○
Polarizing Attachment	Polarizing attachment	●	●
C-Mount Adapter	0.5X C-mount adapter	●	●
Dimension	23cm*11cm*7cm		
	Aluminum box size: 320mm*240mm*110mm	●	●
	Package size: 380mm*300mm*150mm		
Weight	Net weight: 4.5kg. Total weight: 5.0kg	●	●

Note: ● Standard Outfit, ○ Optional



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