



PORTMET

Portable Metallurgical Microscope



INTRODUCTION

- Portmet 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.

SPECIFICATION

Eyepiece	Plan eyepiece 10×/18mm
Objective	Long work distance plan objective: 10×/0.25, WD7.3mm; 50×/0.70, WD 0.5mm
Total Magnification	100×, 500×
Mechanical tube length	160mm
Focusing range	20mm
Illumination	Adjustable LED light(chargeable)
Dimension	23cm*11cm*7cm
Weight	0.75kg
Optional Parts	WF16×, WF20×, WF10×/18 eyepiece with crossing line
	Long work distance plan 5×, 20× and 40× objectives
	Digital Cameras
	Magnetic base

APPLICATION

- Portmet can be widely used for identification of casting quality, inspection of raw material or metallurgical structures, research and analysis of processed material in factory and laboratory, also can be used in antique gem and surface observation.

COMPLETE SET OF THE INSTRUMENT

Model Name	Portmet
Microscope Body	1 set
Plan eyepiece 10×/18mm	1 unit
LWD Plan Metallurgical Objective 10×	1 unit
LWD Plan Metallurgical Objective 50×	1 unit
LED Illumination	1 set
Power source battery charger	1 unit
Magnetic base	1 unit (optional)



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