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LB-1602 Digital LCD Inverted Metallurgical Microscope

Introduction

LB-1602 Digital LCD Inverted Metallurgical Microscopes consist of an inverted metallurgical microscope, a high definition LCD screen and a 5 MP camera. It renovates the traditional way of microscopic observation and thoroughly resolves the fatigue for a long time working. Eyepieces and LCD Screen can both be used for convenient and comfortable viewing by individuals and share with groups. It is also feature the latest 5 Megapixels digital imaging microscopy techniques for quick and easy snapshots or videos.

Applications

LB-1602 is specially designed for studies of casting, smelting, heat treatment, inspection of raw materials, and analysis of processed materials. It is widely used in institutes, laboratories and factories to observe and identify the structure of various metals and alloys.

Technical Specifications

Digital Parts

Resolution:	5 Megapixel
Photo Resolution	12MP
Video Resolution	1080P/30fps
Sensor Size:	1/2.5 Inches
LCD Screen:	9 Inches TFT Screen, Resolution is 800X 600
Video Output:	AV Output (NTSC/PAL)
Data Output:	USB2.0
Menu Language:	English
Storage:	SD Card Slot with Optional Memory Cards (Maximal Storage Capacity is 4G)
Scene Mode:	Standard / Softness / Vivid
Exposure Mode:	Auto Exposure
Date Mode:	Year, Month, Day, Hour, Minute

Optical Parts

Viewing Head:	Seidentopf Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm
Eyepiece:	High-point, Extra Wide Field Eyepiece EW10×/ 22
Objective:	Infinite Plan Achromatic Objective 4×/ 0.1, 10×/ 0.25, 20×/ 0.40, 40×/ 0.60
Nosepiece:	Quintuple Nosepiece
Stage:	Plain Stage
Focusing:	Coaxial Coarse & Fine Adjustment, Vertical Objective Movement, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation
Illumination:	Halogen Lamp 6V/ 30W
Filter:	Blue, Yellow, Green and Ground Glass
Polarization Set:	Simple Polarization Attachment

Optional Parts (must be ordered separately)

Objective:	Infinite Plan Achromatic Objective 50×/ 0.75, 80×/ 0.90
Stage:	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Range 120×78mm Auxiliary Stage
Centering:	Centering Telescope (Φ30MM)

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