



# LABOMED, INC.

[www.labomed.com](http://www.labomed.com)  
[spectro@labomed.com](mailto:spectro@labomed.com)

## LB-605 Portable Metallurgical Microscope

### Introduction

LB-605 Portable Metallurgical Microscope is a portable metallurgical microscope, it has vertical light source, it is easily to be used in field to identify the structures of all kinds of metal and alloy when failure occurs in making samples. It 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.

LB-605 adopts a rechargeable LED illuminator, it is portable and easy to use. It can work more than 40 hours after one charge.

The magnetic base is optional and is available on the LB-606, 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.

### Specifications

|                         |  |
|-------------------------|--|
| Eyeiece:                | Plan eyeiece 10X/18mm  |
| Objective:              | Long work distance plan objective: 10 $\times$ , 50 $\times$ |
| Total Magnification:    | 100X-500X  |
| Mechanical tube length: | 160mm  |
| Focusing range:         | 36mm   |
| Illumination:           | Adjustable LED light (chargeable)                            |
| Dimension:              | 23cm*11cm*7cm  |
| Weight:                 | 0.75kg   |

#### Complete Set of the Instrument:

|                               |                  |
|-------------------------------|------------------|
| Microscope body:              | 1 set            |
| Eyeiece 10x:                  | 10X, 1 pair/each |
| Plan Metallurgical Objective: | 10X 1 unit       |
| Plan Metallurgical Objective: | 50X 1 unit       |
| LED Illumination:             | 1 set            |
| Power source battery charger  | 1 unit           |

