



## Portable Metallurgical Microscope with Magnetic Base

NYMCS-913P



#### Applications:

The portable metallurgical microscope can be conveniently used for the identification of the structure of various metals and alloys that need to be identified when the on-site materials cannot be used to make samples. It can be widely used in the metallographic laboratory of the factory for the analysis, research and identification of metal materials, and for material processing After the analysis of the metallographic structure. It can also be used to observe and analyze the surface structure of jade, ceramics and bronze.

This instrument uses LED vertical lighting, does not use 220V AC power supply, easy to use, and truly portable, so that users can observe how they want to observe. It has a large degree of freedom to observe, light and convenient, and safe.

The luminaire of this instrument can be used continuously for about forty hours on a single charge. It has a long time of use, energy saving, and the biggest feature of the LED light is very small temperature rise, not much heat, and safe to use.

This instrument can be equipped with CCD and SLR cameras, which can easily collect, save and output on-site images for analysis and research.

#### Specification:

Objective lens: magnification 10X/20X/40X, numerical aperture 0.25 N.A./0.45 N.A./0.65 N.A., working distance 5.84 mm/3.36mm/0.88 mm

Eyepiece: magnification 10X, field of view diameter  $\varnothing$ 18mm

#### Technical Parameters:

1. Total magnification: 100X~400X
2. Mechanical cylinder length: 160mm
3. Focusing distance: 25 mm
4. Power supply voltage: 3.6V
5. Instrument size: (length×width×height) 230×125×230mm
6. Instrument weight: 1.5 kg
7. Adjusting distance in XY direction: 12\*14mm

#### Package includes:

- 1 x Microscope Body(battery is included.)
- 1 x 10X Objective
- 1 x 40X Objective
- 1 x WF10X/18mm Eyepiece(Mounting:23.2mm)
- 1 x Power Supply
- 1 x Magnetic Base
- 1 x Polarizer
- 1 x Charger
- 1 x C-mount Adapter(23.2mm to C-mount)

