



20x Micrometer Eyepiece Portable Measuring Microscope A13.2502

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A13.2502
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month



Product Specification

- Highlight: **reflected light microscope, halogen lamp microscope**



for more products please visit us on cnoec.com

More Images



Product Description

20x Metallurgical Optical Microscope Portable Measuring Microscope A13.2502

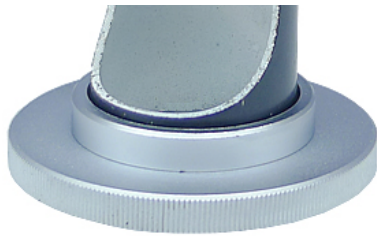
A13.2502 Portable Measuring Microscope, is designed to quickly measuring the diameter of power particle, hardness test spot diameter or thickness of coating layer. It is small and simple design but very useful for outdoor work with LED light and small size. It can be used for biology medicine agriculture and industry area widely. It is the ideal instrument in medical treatment, teaching demonstration and scientific research.

- WF20x Wide Field Micrometer Eyepiece
- Fixed Micrometer With Main Scale In Eyepiece : 0~8mm
- Moving Micrometer With Corss & Double Lines, Moved By Measuring Knob
- Measuring Range 6mm, Division 0.01mm

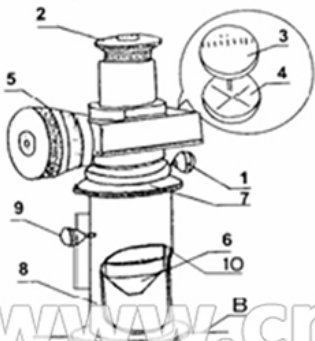
A13.2502 Portable Measuring Microscope	
Total Magnification	20x
Eyepiece	WF20x Wide Field Micrometer Eyepiece
Micrometer	--Fixed Micrometer With Main Scale In Eyepiece : 0~8mm --Moving Micrometer With Corss & Double Lines, Moved By Measuring Knob
Measuring Knob	Division 0.01mm
Measuring Range	6mm
Measuring Precision	+/- 0.01mm
Function	Measuring Diameter Of Power Particle Measuring Hardness Test Spot Diameter Measuring Thickness Of Coating Layer Measuring All Kinds Of Lenght On Surface...
Theory	As Structure Picture shown, there are 2 micrometers in the microscope: --Fixed Micrometer With Main Scale In Eyepiece : 0~8mm --Moving Micrometer With Corss & Double Lines, Moved By Measuring Knob The Fixed Micrometer has a main scale 0~8mm length, which is used to fix the measurement position. When you turn the Measuring Knob, it will move the Moving Micrometer and show its moving distance on the knob by 0.01mm division. Keep record of its moving distance, it will be the length you need to measure.
Operation Manual	Measuring Diameter Of Power Particle (See Picture) 1. Put the microscope on the surface of objects, turn on the LED light. 2. Adjust eyepiece (2) to see both micrometer clearly in view field. 3. Adjust focusing ring (7) to see objects clearly in view field. 4. Fix the focusing by screw (9). 5. Turn Measuring Knob to move the micrometer, until the cross center locate on left side of the particle. Read out the main scale as 5 and measuring knob scale as 0.36 (a). (Left Picture) 6. Turn Measuring Knob to move the micrometer, locate the cross center on right side of the particle. Read out the main scale as 4 and measuring knob scale as 0.51 (b). (Right Picture) 7. Moving distance (Y) is the difference between (a) and (b) divided by objective magnification (X) : $Y=(b-a)/X$. 8. Measured Diameter = Moving Distance = $(5.36mm-4.51mm)/1X=0.85mm$



www.cnoec.com



A13.2502 Portable Measuring Microscope



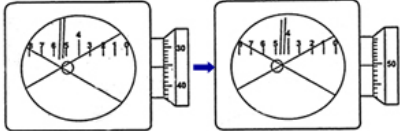
www.cnoec.com

Structure Picture

- 1. Fix Screw
- 2. Eyepiece
- 3. Fixed Micrometer With Main Scale In Eyepiece : 0-8mm
- 4. Moving Micrometer With Cors & Double Lines, Moved By Measuring Knob
- 5. Measuring Knob, Division 0.01mm
- 6. Objective
- 7. Focusing Ring
- 8. Stand
- 9. Focusing Fix Screw
- 10. LED Light
- B : Object Surface



Measuring Diameter Of Power Particle



Main Scale Read 5
Measuring Knob Read 0.36
Result : 5.36mm

Main Scale Read 4
Measuring Knob Read 0.51
Result : 4.51mm

Measured Diameter = Moving Distance = 5.36mm-4.51mm=0.85mm

www.cnoec.com





WF20x Micrometer Wide Field Eyepiece

Measuring Knob, Connected
Moving Micrometer

A13.2502 Portable Measuring Microscope, Top View



Objective 1x

LED Light Source

A13.2502 Portable Measuring Microscope, Bottom View



Opto-Edu (Beijing) Co., Ltd.

☎ 0086 13911110627

✉ sale@optoedu.com

🌐 cnoec.com

F-1501 Wanda Plaza, No. 18 Shijingshan Road, Beijing 100043, China