



www.insize.com

INSIZE



**ISM-ZS50/ZS50T
ZOOM STEREO MICROSCOPE
OPERATION MANUAL**



← IN SIZE →

Technical Parameters

Code	ISM-ZS50-Y*	ISM-ZS50T-Y*
Optical tube	binocular	trinocular
Eyepiece (wide field)	10X (view field: Ø22mm)	
Objective	0.8X-5X (zoom)	
Pupil distance	55-75mm (adjustable)	
Diopter adjustment	±5 diopter (two eyepieces)	
Working distance of objective	115mm	
Max. workpiece height	215mm	
Illumination	adjustable reflected and transmitted LED light	
Dimension (LxWxH)	290×260×480mm	
Weight	4.9kg	

Standard Delivery

Main unit	1pc
WF 10X eyepiece	2pcs
Ø100mm glass plate	1pc
Ø100mm white/black plate	1pc
Anti-dust cover	1pc

Optional Accessory

Auxiliary objective	0.5X	ISM-ZS50-OB05X
	2X	ISM-ZS50-OB2X
Eyepiece	10X dividing eyepiece (0.1mm/div.)	ISM-ZS50-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500

Attention

- ◆ Place the microscope in a cool, dry place where is free from dust, acid, alkali, steam etc.
- ◆ Do not disassemble lens by userself as they all have been preadjusted and tested. Should filth is found on the lens, it would be cleaned gently with absorbent cotton with xylene. If alcohol is used, be careful not to let it soak into lens, or lens will come unglued. Dust on the lens can be blown with a blower or cleaned gently with a clean writing brush, lens-cleaning paper etc. Be more careful not to touch optical elements when clean the mechanical part and smear corrosiveness lubrication/lubricant oil. You should touch it, clean it at once to avoid mould.
- ◆ Do switch off power after using of instrument, pull out the plug when the instrument is not in use for a long time.
- ◆ Handle the instrument carefully and gently during transport. It is strictly forbidden to put upside down.

Introduction

ISM-ZS50/50T series are binocular stereo microscope, can magnify a tiny object to an erecting stereo image. They have the character of comparatively long working distance, wide field, high image quality and a stepless zoom ranging. Especially suitable for using in teaching, observing study and scientific research etc. It can be used for observing study, biological anatomy in medical and hygienic work, cultural education and scientific research, agricultural and forestry, geology, pearls and jewels, public security act units. Also, it can be used for testing, installing and repairing tiny precise spare parts in electronics industry, instrument and meter trade etc.

Structure:



Operation Instructions

- 1 Installation:
Take the accessories from the package, put the objective part to the stand and tighten the screw. Remove the eyepiece covers and insert the eyepieces into the tube.
- 2 Connect the power:
Plug the power cable into the back of microscope and connect the power.
- 3 Illumination selection:
Select reflected LED light or transmitted LED light according to observe requirement. The brightness can be adjusted by the rotary knob. You can also adjust the angle of reflected LED light in order to get sufficient illumination for the sample.
- 4 Pupil adjustment:
Move the two eyepiece tubes and make the two images coincide.
- 5 Focusing:
Select the suitable magnification, then rotate the focus handwheel and make the image clear. You can also rotate the eyepiece for diopter adjustment, it will help you to get more clear image.