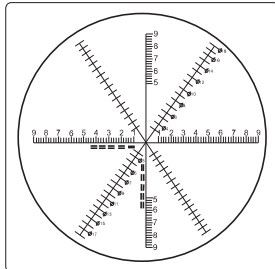


# TOOLMAKER MICROSCOPES



10X dividing eyepiece



the horizontal and vertical scale lines are used for length measurement, the graduation is 0.2mm. the two diagonals scale lines are used for diameter measurement, the graduation is 1mm (when using 1X objective)

10X eyepiece

3X objective

X-axis reset switch

illumination control panel

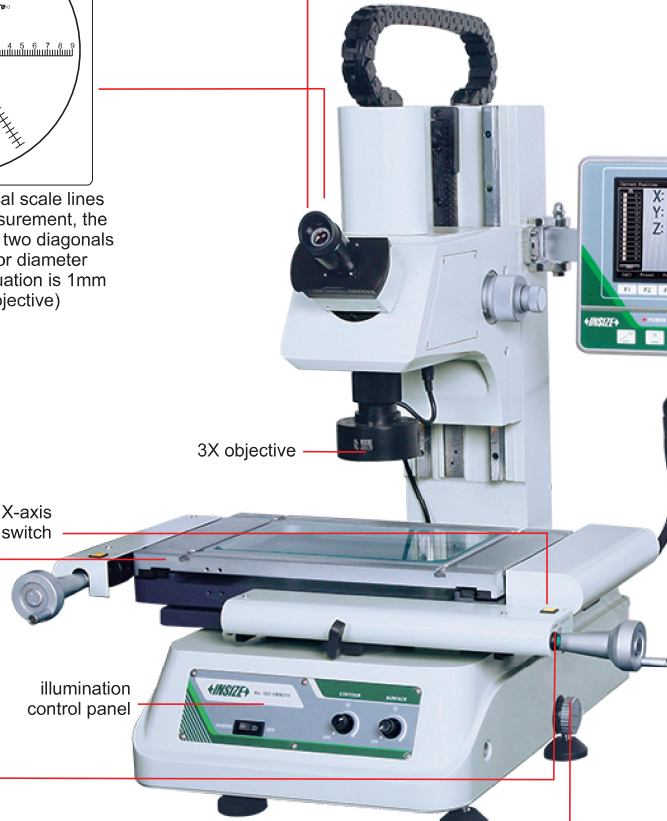
aperture diaphragm adjustment knob



Y-axis reset switch



laser positioning switch














ISD-VMM215D

## SPECIFICATION

Code	binocular	ISD-VMM205	ISD-VMM215	ISD-VMM225	ISD-VMM235
	monocular	ISD-VMM205D	ISD-VMM215D	ISD-VMM225D	ISD-VMM235D
X/Y axis travel		150×100mm	200×100mm	250×150mm	300×200mm
Z axis travel		150mm	150mm	200mm	200mm
Metal stage size		354×228mm	404×228mm	450×280mm	500×330mm
Glass stage size		210×160mm	260×160mm	306×196mm	350×250mm
Resolution of X/Y/Z axis		0.5μm			
Accuracy of X/Y axis		≤(3.5+L/100)μm (L is the measuring length in mm)			
Repeatability		2μm			
Optical magnification		30X (with 3X objective)			
Illumination		surface and contour with adjustable LED			
Max. weight of workpiece		25kg			
Power supply		100V~240V, 50/60Hz			
Drive method		manual			
Dimension (L×W×H)		540×667×850mm	540×667×850mm	800×675×920mm	800×675×920mm
Net weight		100kg	110kg	135kg	140kg

## DATA PROCESSING UNIT

<b>Output</b>	RS232
<b>Function</b>	 simple measuring tools
	 measure coordinate of points
	 measure lines
	 measure center coordinate, radius of circle with three points
	 measure distances between two objects
	 measure angles
	 set origin of coordinate
	 skew and calibrate the workpiece
	 measure rectangle (including length, width, perimeter and center coordinate)
	 measure thread (including thread diameter, screw pitch, screw angle)
 measure slot (including center coordinate, length, width)	

### STANDARD DELIVERY

<b>Main unit</b>	1 pc
<b>Calibration glass chart</b>	1 pc
<b>Demo sample</b>	1 pc
<b>Foot switch</b>	1 pc
<b>3X objective</b>	1 pc

### OPTIONAL ACCESSORY

<b>1X objective</b>	ISD-VMM-LENS1X
<b>5X objective</b>	ISD-VMM-LENS5X
<b>10X objective</b>	ISD-VMM-LENS10X