INSPECTION CERTIFICATE

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

Y-axis reset switch

illumination control panel

laser positioning switch

aperture diaphragm adjustment knob

ISD-VMM215

image   X/Y/Z axis display   zoom in

measuring object   measuring results   measuring tools   graphic

computer is optional

VIDEO

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		≤(2.5+L/100)µm (L is the measuring length in mm)			
Repeatability		2µm			
Camera		1/3" color CCD, 0.3M pixel			
Optical magnification		30X			
Image magnification		114X (on 19" monitor)			
Illumination		surface and contour with adjustable LED			
Max. weight of workpiece		25kg			
Power supply		100V~240V, 50/60Hz			
Operating system		Windows 7/8/10			
Drive method		manual			
Dimension (L×W×H)		540×667×850mm	540×667×850mm	800×675×920mm	800×675×920mm
Weight		100kg	110kg	135kg	140kg

DATA PROCESSING UNIT

Output	RS232
Function	☼ Easy 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

Main unit	1 pc
Video card with dongle	1 pc
Software disc	1 pc
Calibration glass chart	1 pc
Demo sample	1 pc
Foot switch	1 pc
3X objective	1 pc

OPTIONAL ACCESSORY

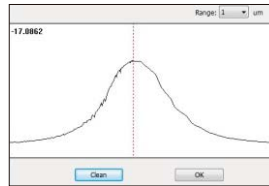| 1X objective	ISD-VMM-LENS1X
5X objective	ISD-VMM-LENS5X
10X objective	ISD-VMM-LENS10X
Printer	ISD-VMM-PRINTER
Toolmaker microscopes (with computer)	Code: **ISD-VMM205A** (binocular) **ISD-VMM215A** (binocular) **ISD-VMM225A** (binocular) **ISD-VMM235A** (binocular) Code: **ISD-VMM205DA** (monocular) **ISD-VMM215DA** (monocular) **ISD-VMM225DA** (monocular) **ISD-VMM235DA** (monocular)

SOFTWARE

- **Operation system:** Windows 7/8/10
- **Language:** English
- **Single measuring tools:**

measure distance between two points

measure length and area of closed curve

measure coordinate of point

measure length and diameter of arc

measure center coordinate and axis length of ellipse

measure angle of two lines

measure width and diameter of ring

measure length, width and diameter of key slot

measure distance of two elements

measure focus distance of surface

measure length, width and area of rectangle

measure length of open curve

measure center coordinate, diameter and area of circle

- **Combined measuring tools:**

measure distance and angle of two elements

- **Focus indicator:**

- **CAD measuring:**

Input CAD drawing and set reference, move the stage to make the target box in the center of crosshair, then the software will do automatic measurement

- **Edge-detection:**

Point tool

Box tool

Circle tool

- **Coordinate transfer:**
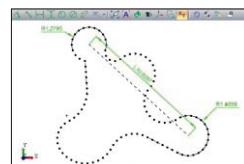

Center coordinate X:6.013mm Y:5.176mm

Center coordinate X:0.000mm Y:0.000mm

- **Data export to CAD, EXCEL and WORD:**

CAD   EXCEL   WORD

- **Contour scanning:**

- **Profile detection:**