



MANUAL VISION MEASURING SYSTEMS (STANDARD TYPE)



computer (included)



lens with coaxial light (optional, must be installed in factory)

SPECIFICATION

ISD-V250A

Code	ISD-V150A	ISD-V250A	ISD-V300A	ISD-V400A
Measuring range (X×Y×Z)	150×100×150mm	250×150×150mm	300×200×150mm	400×300×150mm
Stage size	354×228mm	450×280mm	500×330mm	606×466mm
Glass stage size	210×160mm	306×196mm	350×250mm	450×350mm
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 of X/Y axis	2μm			
Objective	0.7X~4.5X (zoom)			
Working distance	92mm			
Magnification	29X~184X (on 21.5" monitor)			
Camera	1/3" color CCD, 0.3M pixel			
Illumination	surface and contour with adjustable LED			
Max. height of workpiece	150mm			
Max. weight of workpiece	20kg			
Operation system	Windows 10/11			
Drive method	manual			
Power supply	110/220V, 50/60Hz			
Dimension (L×W×H)	560×540×850mm	760×600×900mm	760×600×900mm	970×670×940mm
Net weight	100kg	120kg	140kg	240kg

SPECIFICATION

Code	ISD-V150H	ISD-V250H	ISD-V300H	ISD-V400H
Measuring range (X×Y×Z)	150×100×300mm	250×150×300mm	300×200×300mm	400×300×300mm
Stage size	354×228mm	450×280mm	500×330mm	606×466mm
Glass stage size	210×160mm	306×196mm	350×250mm	450×350mm
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 of X/Y axis	2μm			
Objective	0.7X~4.5X (zoom)			
Working distance	92mm			
Magnification	29X~184X (on 21.5" monitor)			
Camera	1/3" color CCD, 0.3M pixel			
Illumination	surface and contour with adjustable LED			
Max. height of workpiece	300mm			
Max. weight of workpiece	20kg			
Operation system	Windows 10/11			
Drive method	manual			
Power supply	110/220V, 50/60Hz			
Dimension (L×W×H)	560×540×1000mm	760×600×1050mm	760×600×1050mm	970×670×1090mm
Net weight	110kg	130kg	150kg	250kg

OPTIONAL ACCESSORY

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Foot switch	1 pc
Anti-dust cover	1 pc

0.5X auxiliary objective	code: ISD-V-OB05X working distance: 175mm magnification: 14.5~92X (on 21.5" monitor)
2X auxiliary objective	code: ISD-V-OB2X working distance: 36mm magnification: 58~368X (on 21.5" monitor)
Standard probe set (RENISHAW)	code: ISD-V-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Basic probe set	code: ISD-V-PROBE1 includes Ø1mm, Ø2mm, Ø3mm styli, Ø25mm calibration ball
Vision measuring system with coaxial light lens (with computer)	code: ISD-V150ACL, ISD-V150HCL ISD-V250ACL, ISD-V250HCL ISD-V300ACL, ISD-V300HCL ISD-V400ACL, ISD-V400HCL
Office software	code: 7313-OFFICE



basic probe set (**optional**), includes Ø1mm, Ø2mm, Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm



standard probe set (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

SOFTWARE (INCLUDED)

real-time image

X/Y/Z axis

magnification of selected points

measuring objects

measuring results

measuring tools

measuring graphic

The screenshot displays the INSIZE software interface. The main window shows a real-time image of a circular measuring object with a crosshair. The software includes a 'Measuring Tools' panel with various measurement tools, a 'Measuring Results' table, and a 'Measuring Graphic' window showing a magnified view of the selected points. The 'Measuring Results' table is as follows:

Element	Value	Unit	Target	Tolerance	Light	Unit
Center X	0.0000	0.0000	0.0000	0.0000		
Center Y	0.0000	0.0000	0.0000	0.0000		
Center Z	0.0000	0.0000	0.0000	0.0000		
Radius	1.4989	1.4989	0.0000			
Diameter	2.9979	2.9979	0.0000			
Perimeter	9.4181	9.4181	0.0000			
Area	7.0586	7.0586	0.0000			
Minimum L	0.0000	0.0000	0.0000			