MANUAL VISION MEASURING SYSTEMS (BASIC TYPE)

INSPECTION CERTIFICATE

ISD-Y320   computer is included

SPECIFICATION

Part.No		ISD-Y210D	ISD-Y320D	ISD-Y430D	ISD-Y530D
	Motorized focus	ISD-Y210D	ISD-Y320D	ISD-Y430D	ISD-Y530D
	Manual focus	ISD-Y210	ISD-Y320	ISD-Y430	ISD-Y530
Measuring range (X×Y×Z)		7.87×3.94×7.87"	11.81×7.87×7.87"	15.75×11.81×7.87"	19.68×15.75×7.87"
Stage size		15.90×6.98"	19.68×12.99"	23.86×18.35"	27.79×18.35"
Glass stage size		10.24×6.30"	13.78×11.02"	17.72×13.78"	21.65×13.78"
Resolution of X/Y/Z axis		.00004"			
Accuracy of X/Y axis		≤(118.1+5L)µin (L is the measuring length in inch)			
Repeatability of X/Y axis		.00008"			
Objective		0.7X~4.5X (zoom)			
View field (diagonal length)		.04~.26"			
Working distance		3.62"			
Magnification		37.2X~236.0X (on 21.5" monitor)			
Camera		1/2" color CCD, 1.3M pixel			
Illumination		surface and contour with adjustable LED			
Max. height of workpiece		8.66"			
Max. weight of workpiece		44lb			
Operation system		Windows 10/11			
Drive method		manual			
Power supply		110V/220V, 50Hz			
Dimension (L×W×H)		21.89×21.26×33.86"	26.38×25.98×37.40"	28.35×37.40×40.16"	31.50×40.95×40.16"
Weight		397lb	573lb	693lb	1102lb

STANDARD DELIVERY

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

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

stylus — calibration ball
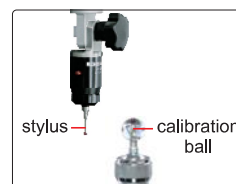
probe (**optional**), includes .79"DIA/Ø2mm and .118"DIA/Ø3mm styli, .984"DIA/Ø25mm calibration ball, measuring accuracy is .0004"

OPTIONAL ACCESSORY

0.5X auxiliary objective	code: **ISD-Y-OB05X** working distance: 6.89" magnification: 18.6~118.0X (on 21.5" monitor)
2X auxiliary objective	code: **ISD-Y-OB2X** working distance: 1.42" magnification: 74.5~472.0X (on 21.5" monitor)
Probe	code: **ISD-Y-PROBE** includes .79"DIA/Ø2mm and .118"DIA/Ø3mm styli, .984"DIA/Ø25mm calibration ball
Vision measuring system with coaxial light lens	code: **ISD-Y210CL** (manual focus), **ISD-Y210DCL** (motorized focus) **ISD-Y320CL** (manual focus), **ISD-Y320DCL** (motorized focus) **ISD-Y430CL** (manual focus), **ISD-Y430DCL** (motorized focus) **ISD-Y530CL** (manual focus), **ISD-Y530DCL** (motorized focus)
Office software	code: **7313-OFFICE**

SOFTWARE (INCLUDED)

real-time image

measuring graphic

X/Y/Z axis   measuring results   measuring tools   measuring objects