HIGH PRECISION PROFILE PROJECTORS (WITH EDGE DETECTOR)

VIDEO

edge detector

digital readout

- touch buttons
- USB data output to Excel and CAD
- show diagram

ISP-A5000E

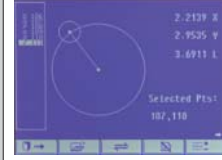- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 30kg

software flash disk (included)

OPTIONAL ACCESSORY

lens

rotary table (glass plate diameter 100mm)

overlay chart (protractor with 1° graduation, radius with 1mm increment)
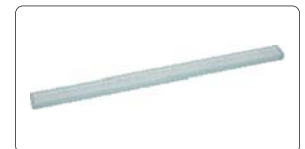
holder with clamp

swivel center support

V-block with clamp

50mm reading scale (check magnification accuracy)

300mm calibration scale (check magnification accuracy together with 50mm reading scale or calibrate measuring accuracy)

demo sample

printer

SPECIFICATION

Code	ISP-A4500E	ISP-A5000E	ISP-A5001E	ISP-A5002E	ISP-A5003E
Edge detector	included				
Lens magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)	
Lens view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm	
Lens working distance	77.7mm	44.3mm	38.4mm	25.3mm	
Max. workpiece height	90mm	90mm	90mm	90mm	
Magnification accuracy	±0.08%				
Image	erect image				
Projector screen	diameter: Ø300mm				
	rotation range: 0°~360°, resolution: 1" or 0.01°				
	reference lines: cross-hairs				
Stage metal stage size	354×228mm	404×228mm	450×280mm	500×330mm	606×466mm
Stage glass stage size	210×160mm	260×160mm	306×196mm	321×221mm	450×350mm
Stage X-Y stage travel range	150×100mm	200×100mm	250×150mm	295×195mm	400×300mm
Stage resolution	0.5µm				
Stage accuracy	(3+L/75)µm (L is the measuring length in mm)				
Stage Z (focus) travel range	100mm				
Stage max. load capacity	30kg				
Illumination	contour illumination: 24V/150W halogen lamp, brightness is adjustable				
	surface illumination: 24V/150W halogen lamp				
Data processing unit display	X-Y stage travel, screen rotation				
Data processing unit output	RS232C, USB (data output to Excel and CAD)				
Data processing unit function	● measure coordinate of point ● measure coordinate of line ● measure center coordinate, radius of circle with three points ● measure distance between two objects ● measure angle with four points or two lines ● coordinate transform ● choose measurement object automatically according to the selective point and display the result				
	programming for batch measurements				
Power supply	110/220V, 50/60Hz				
Dimension (L×W×H)	780×780×1100mm	780×780×1100mm	810×780×1120mm	900×780×1120mm	1040×780×1120mm
Weight	160kg	160kg	180kg	180kg	250kg

STANDARD DELIVERY

Main unit	1 pc
10X lens with half-reflection mirror and oblique illuminator mirror	1 pc
Overlay chart clip	4 pcs
Foot-switch	1 pc
Blue filter	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-A5000-LENS20X	Swivel center support (for ISP-A4500E)	ISP-A4500-SUPPORT
50X lens with half-reflection mirror	ISP-A5000-LENS50X	Swivel center support (for ISP-A5000E/A5001E)	ISP-A5000-SUPPORT
100X lens with half-reflection mirror	ISP-A5000-LENS100X	Overlay chart	ISP-A5000-CHART
Rotary table (for ISP-A4500E/A5000E)	ISP-A5000-TABLE	Holder with clamp	ISP-A5000-VBLOCK
Rotary table (for ISP-A5001E/A5002E)	ISP-A5001-TABLE	50mm reading scale	ISP-A5000-SCALE50
Rotary table (for ISP-A5003E)	ISP-A5003-TABLE	300mm calibration scale	ISP-A5000-RULE
Printer	ISP-A5000-PRINTER	Demo sample	ISP-A5000-DEMO