HORIZONTAL PROFILE PROJECTOR

Screen diameter: 300mm **X-Z travel: 200x100mm**

edge detector

ISP-W3020   **ISP-A3000E**
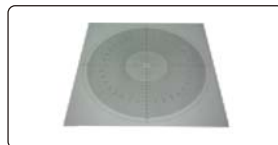
digital readout of **ISP-A3000E**

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

OPTIONAL ACCESSORY

lens

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

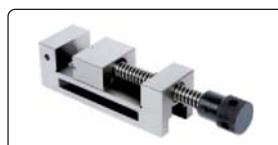50mm reading scale (check magnification accuracy)

demo sample

V-block with clamp

rotary table

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

vise

printer (only for **ISP-A3000E**)

SPECIFICATION

Code		ISP-W3020		ISP-A3000E	
Edge detector		not included		included	
Lens	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm
	working distance	77.7mm	44.3mm	38.4mm	25.3mm
Magnification accuracy		±0.08%			
Projector screen		diameter: Ø300mm			
		rotation range: 0°~360°, resolution: 1' or 0.01°			
		reference lines: cross-hairs			
Stage	metal stage size	400×150mm			
	turning range	±15°			
	X-Z stage travel	range: 200×100mm			
		resolution: 0.5µm			
		accuracy: (4+L/25)µm L is the measuring length in mm			
	Y (focus) travel range	75mm			
	max. load capacity	50kg			
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 12V/150W halogen lamp(with 2 fibers), position is adjustable			
Data processing unit	display	X-Z stage travel, screen rotation			
	output	RS232C		RS232C, USB (data output to Excel and CAD)	
	function	✕ measure coordinate of point		● measure coordinate of point	
		measure coordinate of line		measure coordinate of line	
		measure center coordinate, radius of circle with three points		measure center coordinate, radius of circle with three points	
		measure distance between two objects		measure distance between two objects	
		measure angle with four points or two lines		measure angle with four points or two lines	
		set origin of coordinate		coordinate transform	
		coordinate transform		choose measurement object automatically according to the selective point and display the result	
		½ set midpoint of coordinate			
	advanced function	—		Programming for batch measurements	
Power supply		110/220V, 50/60Hz			
Dimension (L×W×H)		1090×830×1010mm			
Weight		160kg			

STANDARD DELIVERY

Main unit	1pc
10X lens	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc
USB cable and software (only for ISP-A3000E)	1pc

OPTIONAL ACCESSORY

20X lens	ISP-A3000-LENS20X		Demo sample	ISP-A3000-DEMO
50X lens	ISP-A3000-LENS50X		V-block with clamp	ISP-A1000-VBLOCK
100X lens	ISP-A3000-LENS100X		Rotary table	ISP-A3000-RTABLE
Overlay chart	ISP-A3000-CHART		Vice	ISP-A3000-VISE
50mm reading scale	ISP-A3000-SCALE50		Printer (only for ISP-A3000E)	ISP-A3000-PRINTER
300mm calibration scale	ISP-A3000-RULE			