

**HORIZONTAL PROFILE PROJECTORS**



**ISP-W3020**



**ISP-A3000E**

digital readout of **ISP-A3000E**

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



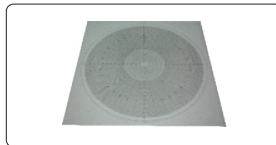



software flash disk  
(included, only for **ISP-A3000E**)

**OPTIONAL ACCESSORY**



lens



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



50mm reading scale  
(check magnification accuracy)



demo sample



vise



rotary table


















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



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°		rotation range: 0°~360°, resolution: 1" or 0.05°		
		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: 24V/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)		
	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				
 set midpoint of coordinate						
advanced function		—		programming for batch measurements		
Power supply		220V, 50/60Hz				
Dimension (L×W×H)		830×1090×1010mm				
Net weight		160kg				

## STANDARD DELIVERY

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

## OPTIONAL ACCESSORY

20X lens	ISP-A3000-LENS20X
50X lens	ISP-A3000-LENS50X
100X lens	ISP-A3000-LENS100X
Overlay chart	ISP-A1000-CHART
50mm reading scale	ISP-A1000-SCALE50
300mm calibration scale	ISP-A1000-RULE

Swivel center support	ISP-A3000-SUPPORT
Demo sample	ISP-A1000-DEMO
V-block with clamp	ISP-A3000-VBLOCK
Rotary table	ISP-A3000-RTABLE
Vise	ISP-A3000-VISE
Printer (only for ISP-A3000E)	ISP-A1000-PRINTER