

## HORIZONTAL PROFILE PROJECTORS

**INSPECTION  
CERTIFICATE**



ISP-W3020



ISP-A3000E



VIDEO

digital readout of ISP-A3000E

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



software CD  
(included, only for  
ISP-A3000E)

### OPTIONAL ACCESSORY



lens



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



50mm reading scale  
(check magnification accuracy)



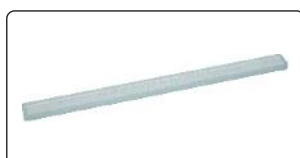
demo sample



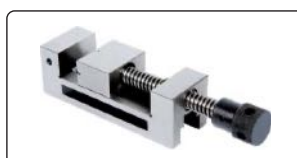
V-block with clamp



rotary table



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


















vise



printer (only for ISP-A3000E)

To be continued

## 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			
		 set midpoint of coordinate				
advanced function		—				
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	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-A3000-CHART
50mm reading scale	ISP-A3000-SCALE50
300mm calibration scale	ISP-A3000-RULE

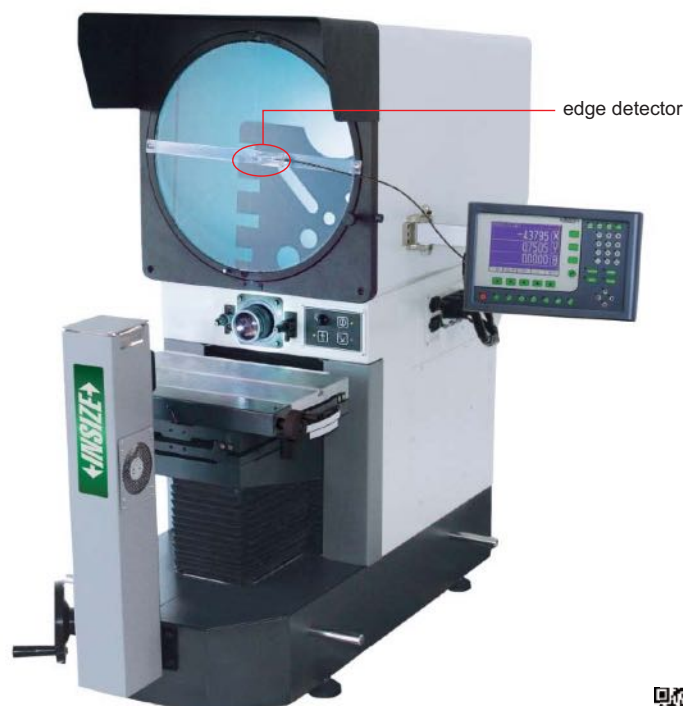
Demo sample	ISP-A3000-DEMO
V-block with clamp	ISP-A1000-VBLOCK
Rotary table	ISP-A3000-RTABLE
Vice	ISP-A3000-VICE
Printer (only for ISP-A3000E)	ISP-A3000-PRINTER

## HORIZONTAL PROFILE PROJECTORS

**INSPECTION  
CERTIFICATE**



ISP-W4025



ISP-A7000E



VIDEO

digital readout of ISP-A7000E

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



software CD  
(included, only for  
ISP-A7000E)

### OPTIONAL ACCESSORY



lens



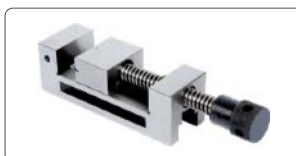
V-block with clamp



rotary table



demo sample (need rotary table)



vise



printer (only for ISP-A7000E)



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


















Ø300mm overlay chart  
(protractor with 1° graduation,  
radius with 1mm increment)



50mm reading scale  
(check magnification accuracy)

To be continued

## SPECIFICATION

Code		ISP-W4025			ISP-A7000E		
Edge detector		not included			included		
Lens	magnification	5X <b>(optional)</b>	10X (standard)	20X <b>(optional)</b>	50X <b>(optional)</b>	100X <b>(optional)</b>	
	view field	Ø80mm	Ø40mm	Ø20mm	Ø8mm	Ø4mm	
	working distance	93.7mm	103.9mm	95.1mm	65.7mm	35mm	
Magnification accuracy		±0.08%					
Image		erect image					
Projector screen		diameter: Ø400mm					
		rotation range: 0°~360°, resolution: 1' or 0.01°					
		reference lines: cross-hairs					
Stage	metal stage size	450×200mm					
	turning range	±15°					
	X-Z stage travel	range: 250×150mm					
		resolution: 0.5µm					
		accuracy: (4+L/25)µm    L is the measuring length in mm					
	Y (focus) travel range	100mm					
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	
	set midpoint of coordinate						
advanced function		—			programming for batch measurements		
Power supply		110/220V, 50/60Hz					
Dimension (L×W×H)		1215×646×1210mm					
Weight		240kg					

## 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-A7000E) and USB cable	1 pc

## OPTIONAL ACCESSORY

5X lens	ISP-W4025-LENS5X
20X lens	ISP-W4025-LENS20X
50X lens	ISP-W4025-LENS50X
100X lens	ISP-W4025-LENS100X
Ø300mm overlay chart	ISP-A3000-CHART
50mm reading scale	ISP-A3000-SCALE50

300mm calibration scale	ISP-A3000-RULE
Demo sample	ISP-A3000-DEMO
V-block with clamp	ISP-A1000-VBLOCK
Rotary table	ISP-A3000-RTABLE
Vice	ISP-A3000-VISE
Printer (only for ISP-A7000E)	ISP-A3000-PRINTER