

PROFILE PROJECTORS



ISP-Z3015



ISP-A1000E

digital readout of ISP-A1000E



VIDEO

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

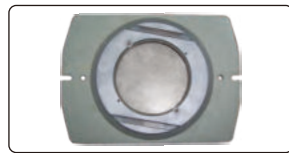


software CD (included, only for ISP-A1000E)

OPTIONAL ACCESSORY



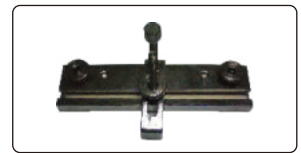
lens



rotary table (glass plate diameter 100mm)



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



holder with clamp



swivel center support



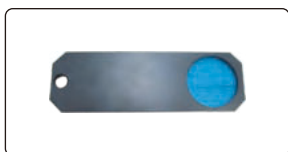
V-block with clamp



50mm reading scale (check magnification accuracy)



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



blue filter



demo sample


















printer (only for ISP-A1000E)

To be continued

Continued from previous page

SPECIFICATION

Code		ISP-Z3015	ISP-A1000E	
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
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	340×152mm		
	glass stage size	196×96mm		
	X-Y stage travel	range: 150×50mm		
		resolution: 0.5µm		
	Z (focus) travel range	accuracy: (4+L/25)µm L is the measuring length in mm		
max. load capacity	90mm			
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		
	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)		550×770×1100mm		
Weight		135kg		

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
Anti-dust cover	1 pc
Software (only for ISP-A1000E) and USB cable	1 pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X
50X lens with half-reflection mirror	ISP-Z3015-LENS50X
100X lens with half-reflection mirror	ISP-Z3015-LENS100X
Rotary table	ISP-Z3015-TABLE
Overlay chart	ISP-Z3015-CHART
Holder with clamp	ISP-Z3015-HOLDER

Swivel center support	ISP-Z3015-SUPPORT
V-block with clamp	ISP-Z3015-VBLOCK
50mm reading scale	ISP-Z3015-SCALE50
300mm calibration scale	ISP-Z3015-RULE
Blue filter	ISP-Z3015-FILTER
Demo sample	ISP-Z3015-DEMO
Printer (only for ISP-A1000E)	ISP-A1000-PRINTER

PROFILE PROJECTORS

THE STAGE DOESN'T
MOVE UP AND DOWN



ISP-AZ3020





ISP-A5000E



digital readout of ISP-A5000E

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



software CD
(included, only for
ISP-A5000E)

17

- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 50kg

OPTIONAL ACCESSORY



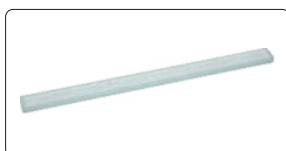
lens



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



50mm reading scale
(check magnification accuracy)



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



demo sample


















printer (only for ISP-A5000E)

To be continued

Continued from previous page

SPECIFICATION

Code		ISP-AZ3020		ISP-A5000E	
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
Max. workpiece height		100mm	100mm	100mm	100mm
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	404×228mm			
	glass stage size	260×160mm			
	X-Y stage travel	range: 200×100mm			
		resolution: 0.5µm			
		accuracy: (3+L/75)µm L is the measuring length in mm			
Z (focus) travel range	100mm				
max. load capacity	50kg				
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp, brightness is adjustable			
Data processing unit	display	X-Y stage travel, screen rotation			
	output	RS232C		RS232C, USB (data output to Excel and CAD)	
Data processing unit	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)		780×780×1100mm			
Weight		160kg			

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
Anti-dust cover	1 pc
Software (only for ISP-A5000E) and USB cable	1 pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-A5000-LENS20X
50X lens with half-reflection mirror	ISP-A5000-LENS50X
100X lens with half-reflection mirror	ISP-A5000-LENS100X
Overlay chart	ISP-A5000-CHART

50mm reading scale	ISP-A5000-SCALE50
300mm calibration scale	ISP-A5000-RULE
Demo sample	ISP-A5000-DEMO
Printer (only for ISP-A5000E)	ISP-A5000-PRINTER

HORIZONTAL PROFILE PROJECTORS



ISP-W3020



ISP-A3000E

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



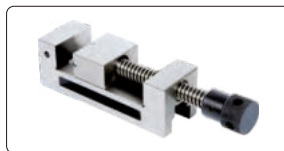
overlay chart (protractor with 1° graduation, radius with 1mm increment)



50mm reading scale (check magnification accuracy)



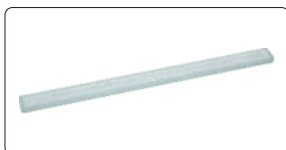
demo sample



vise



rotary table



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


















printer (only for ISP-A3000E)

To be continued

Continued from previous page

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 line  measure center coordinate, radius of circle with three points  measure distance between two objects  measure angle with four points or two lines  set origin of coordinate  coordinate transform  set midpoint of coordinate	 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
	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-A3000-VBLOCK
Rotary table	ISP-A3000-RTABLE
Vice	ISP-A3000-VICE
Printer (only for ISP-A3000E)	ISP-A3000-PRINTER

HORIZONTAL PROFILE PROJECTORS



ISP-W4025

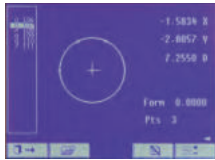



ISP-A7000E



digital readout of ISP-A7000E

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

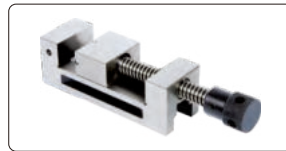


software CD (included, only for ISP-A7000E)

OPTIONAL ACCESSORY



lens



vise



rotary table



demo sample (need rotary table)



printer (only for ISP-A7000E)



50mm reading scale (check magnification accuracy)



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)

To be continued

Continued from previous page

SPECIFICATION

Code		ISP-W4025			ISP-A7000E		
Edge detector		not included			included		
Lens	magnification	5X (optional)	10X (standard)	20X (optional)	50X (optional)	100X (optional)	
	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					
		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-A3000-VBLOCK
Rotary table	ISP-A3000-RTABLE
Vice	ISP-A3000-VISE
Printer (only for ISP-A7000E)	ISP-A3000-PRINTER

PROFILE PROJECTORS



edge detector (for ISP-A6000E)

digital readout

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



software CD (included)

ISP-A6000 (without edge detector)

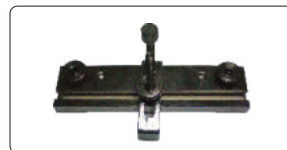
OPTIONAL ACCESSORY



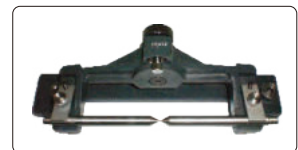
lens



rotary table
(glass plate diameter 100mm)



holder with clamp



swivel center support



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



50mm reading scale
(check magnification accuracy)



demo sample










printer

To be continued

Continued from previous page

SPECIFICATION

Code		ISP-A6000	ISP-A6000E			
Edge detector		not included	included			
Projector screen		diameter: Ø600mm				
		rotation range: 0°~360°, resolution: 1' or 0.01°				
		reference lines: cross-hairs				
Lens	magnification	5X (optional)	10X (included)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø120mm	Ø60mm	Ø30mm	Ø12mm	Ø6mm
	working distance	242.8mm	143.2mm	85.5mm	92mm	48.5mm
Magnification accuracy		±0.08%				
Image		erect image				
Stage	metal stage size	404×265mm				
	glass stage size	207×170mm				
	X-Y stage travel	range: 200×100mm				
		resolution: 0.5µm				
	Z (focus) travel range	50mm				
max. load capacity	5kg					
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-Y stage travel, screen rotation				
	output	RS232C, USB (data output to Excel and CAD)				
	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					
advanced function	programming for batch measurements					
Power supply		110/220V, 50/60Hz				
Dimension (L×W×H)		1200×1140×1940mm				
Weight		360kg				

STANDARD DELIVERY

Main unit	1 pc
10X lens	1 pc
Foot-switch	1 pc
Software (only for ISP-A6000E) and USB cable	1 pc
Overlay chart clip	4 pcs
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

5X lens	ISP-A6000-LENS5X
20X lens	ISP-A6000-LENS20X
50X lens	ISP-A6000-LENS50X
100X lens	ISP-A6000-LENS100X
Holder with clamp	ISP-A6000-HOLDER
Swivel center support	ISP-A6000-SUPPORT

300mm calibration scale	ISP-A6000-RULE
50mm reading scale	ISP-A6000-SCALE50
Rotary table	ISP-A6000-TABLE
Demo sample	ISP-A6000-DEMO
Printer	ISP-A6000-PRINTER