

PROFILE PROJECTORS

Screen diameter: 300mm

X-Y travel: 150x50mm



ISP-Z3015



ISP-A1000E

digital readout of ISP-A1000E

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



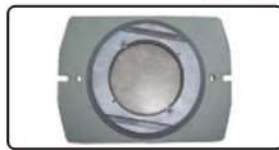


software CD (included, only for ISP-A1000E)

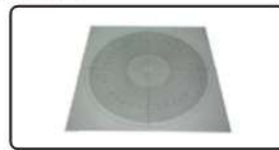
OPTIONAL ACCESSORY



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

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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	
		accuracy: (4+L/25)µm L is the measuring length in mm	
Z (focus) travel range	90mm		
max. load capacity	4kg		
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	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc
USB cable and software (only for ISP-A1000E)	1pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X	Swivel center support	ISP-Z3015-SUPPORT
50X lens with half-reflection mirror	ISP-Z3015-LENS50X	V-block with clamp	ISP-Z3015-VBLOCK
100X lens with half-reflection mirror	ISP-Z3015-LENS100X	50mm reading scale	ISP-Z3015-SCALE50
Rotary table	ISP-Z3015-TABLE	300mm calibration scale	ISP-Z3015-RULE
Overlay chart	ISP-Z3015-CHART	Blue filter	ISP-Z3015-FILTER
Holder with clamp	ISP-Z3015-HOLDER	Demo sample	ISP-Z3015-DEMO
		Printer (only for ISP-A1000E)	ISP-A1000-PRINTER

PROFILE PROJECTORS

Screen diameter: 300mm

X-Y travel: 200x100mm



ISP-AZ3020



ISP-A5000E

digital readout of ISP-A5000E

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





software CD (included, only for ISP-A5000E)

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

OPTIONAL ACCESSORY



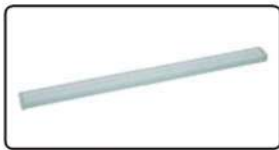
lens



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

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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)
	function	 measure coordinate of point	 measure coordinate of line
		 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	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc
USB cable and software (only for ISP-A5000E)	1pc

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

Screen diameter: 300mm

X-Z travel: 200x100mm



ISP-W3020



ISP-A3000E

digital readout of ISP-A3000E

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

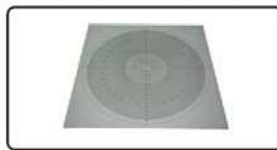


software CD
(included, only for ISP-A3000E)

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

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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	—	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
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

Screen diameter: 400mm

X-Z travel: 250x150mm



ISP-W4025

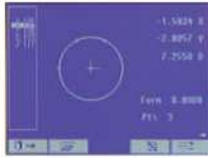


edge detector

ISP-A7000E

digital readout of ISP-A7000E

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






software CD (included, only for ISP-A7000E)

OPTIONAL ACCESSORY



lens



V-block with clamp



rotary table



demo sample (need rotary table)



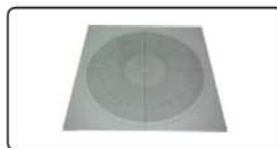
vise



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

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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				
	Y (focus) travel range	accuracy: (4+L/25)µm L is the measuring length in mm				
max. load capacity	100mm					
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 programming for batch measurements			
Power supply		110/220V, 50/60Hz				
Dimension (L×W×H)		1215×646×1210mm				
Weight		240kg				

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-A7000E)	1pc

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-VICE
Printer (only for ISP-A7000E)	ISP-A3000-PRINTER