

PROFILE PROJECTORS



ISP-Z3015



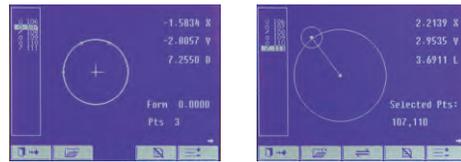
ISP-A1000E

digital readout of ISP-A1000E



VIDEO

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

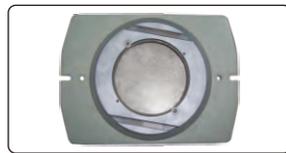


software CD (included, only for ISP-A1000E)

OPTIONAL ACCESSORY



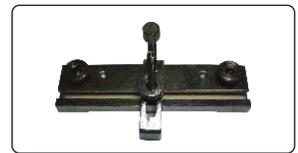
lens



rotary table (glass plate diameter 100mm)



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



holder with clamp



swivel center support



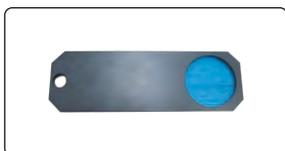
V-block with clamp



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

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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	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

INSPECTION  
CERTIFICATE



ISP-AZ3020



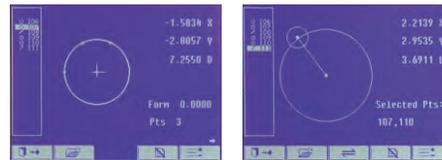
ISP-A5000E



digital readout of ISP-A5000E

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

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



software CD  
(included, only for  
ISP-A5000E)

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OPTIONAL ACCESSORY



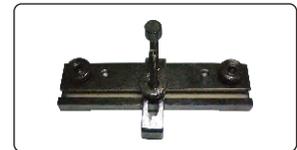
lens



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)



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				
	Z (focus) travel range	accuracy: (3+L/75)µm L is the measuring length in mm				
max. load capacity	100mm					
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)		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
Blue filter	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
Rotary table	ISP-A5000-TABLE
Overlay chart	ISP-A5000-CHART
Holder with clamp	ISP-A5000-HOLDER
Swivel center support	ISP-A5000-SUPPORT
V-block with clamp	ISP-A5000-VBLOCK
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

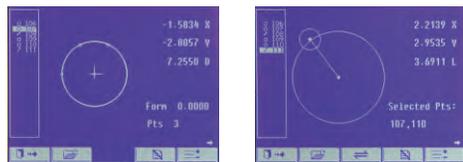


ISP-A3000E

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



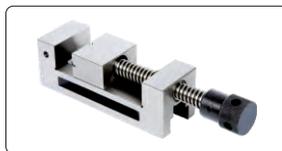
overlay chart (protractor with 1° graduation, radius with 1mm increment)



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			
	Y (focus) travel range	accuracy: (4+L/25)µm    L is the measuring length in mm			
max. load capacity	75mm				
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)		830×1090×1010mm			
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



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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					
advanced function	—		programming for batch measurements				
Power supply		110/220V, 50/60Hz					
Dimension (L×W×H)		646×1215×1210mm					
Weight		240kg					

**STANDARD DELIVERY**

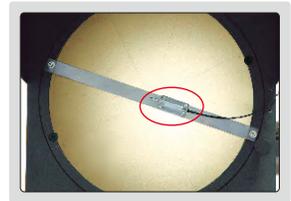
Main unit	1 pc
10X lens	1 pc
Overlay chart clip	4 pcs
Foot-switch	1 pc
Anti-dust cover	1 pc
Software (only for ISP-A7000E) and USB cable	1 pc

**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

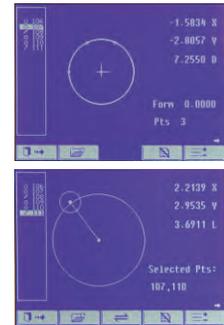
# PROFILE PROJECTORS



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**

<b>Code</b>		<b>ISP-A6000</b>		<b>ISP-A6000E</b>		
<b>Edge detector</b>		not included		included		
<b>Projector screen</b>		diameter: Ø600mm				
		rotation range: 0°~360°, resolution: 1' or 0.01°				
		reference lines: cross-hairs				
<b>Lens</b>	<b>magnification</b>	5X (optional)	10X (included)	20X (optional)	50X (optional)	100X (optional)
	<b>view field</b>	Ø120mm	Ø60mm	Ø30mm	Ø12mm	Ø6mm
	<b>working distance</b>	242.8mm	143.2mm	85.5mm	92mm	48.5mm
<b>Magnification accuracy</b>		±0.08%				
<b>Image</b>		erect image				
<b>Stage</b>	<b>metal stage size</b>	404×265mm				
	<b>glass stage size</b>	207×170mm				
	<b>X-Y stage travel</b>	range: 200×100mm				
		resolution: 0.5µm				
	<b>Z (focus) travel range</b>	50mm				
<b>max. load capacity</b>	5kg					
<b>Illumination</b>		contour illumination: 24V/150W halogen lamp, brightness is adjustable				
		surface illumination: 12V/150W halogen lamp (with 2 fibers), position is adjustable				
<b>Data processing unit</b>	<b>display</b>	X-Y stage travel, screen rotation				
	<b>output</b>	RS232C, USB (data output to Excel and CAD)				
	<b>function</b>		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				
<b>advanced function</b>	programming for batch measurements					
<b>Power supply</b>		110/220V, 50/60Hz				
<b>Dimension (L×W×H)</b>		1200×1140×1940mm				
<b>Weight</b>		360kg				

**STANDARD DELIVERY**

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

**OPTIONAL ACCESSORY**

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

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