



**ISP-Z3015**



**ISP-A1000E**

digital readout of **ISP-A1000E**

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



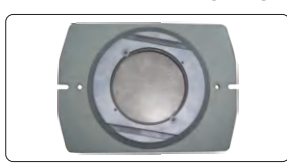



software flash disk (included, only for **ISP-A1000E**)

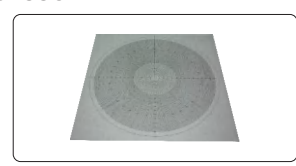
**OPTIONAL ACCESSORY**



lens



rotary table  
(glass plate diameter 100mm)



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



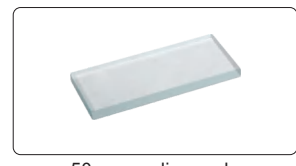
holder with clamp



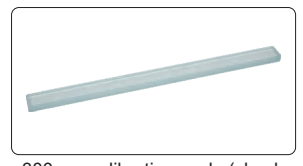
swivel center support



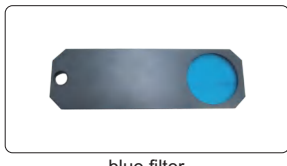
V-block with clamp



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 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 center coordinate, radius of circle with three points		
measure distance between two objects		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		measure angle with four points or two lines		
set origin of coordinate		set origin of coordinate		set origin of coordinate		
coordinate transform		coordinate transform		coordinate transform		
set midpoint of coordinate		set midpoint of coordinate		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)		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

THE STAGE DOESN'T  
MOVE UP AND DOWN



## HIGH PRECISION PROFILE PROJECTORS (WITH EDGE DETECTOR)

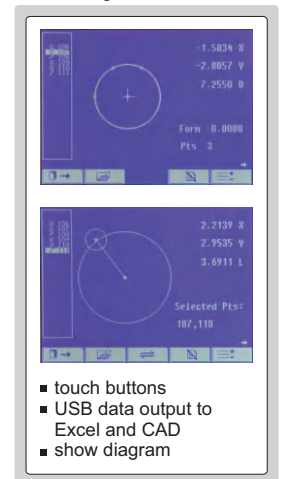


software flash disk  
(included)



ISP-A5000E

digital readout

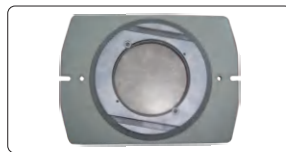


- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 30kg

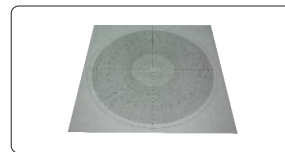
### OPTIONAL ACCESSORY



lens



rotary table  
(glass plate diameter 100mm)



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



holder with clamp



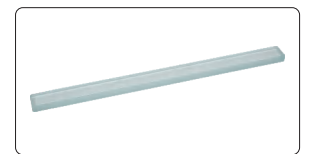
swivel center support



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

To be continued

Continued from previous page

**SPECIFICATION**

<b>Code</b>		<b>ISP-A4500E</b>	<b>ISP-A5000E</b>	<b>ISP-A5001E</b>	<b>ISP-A5002E</b>	<b>ISP-A5003E</b>
<b>Edge detector</b>		included				
<b>Lens</b>	<b>magnification</b>	10X (included)	20X (optional)	50X (optional)	100X (optional)	
	<b>view field</b>	Ø30mm	Ø15mm	Ø6mm	Ø3mm	
	<b>working distance</b>	77.7mm	44.3mm	38.4mm	25.3mm	
<b>Max. workpiece height</b>		90mm	90mm	90mm	90mm	
<b>Magnification accuracy</b>		±0.08%				
<b>Image</b>		erect image				
<b>Projector screen</b>		diameter: Ø300mm				
		rotation range: 0°~360°, resolution: 1" or 0.01°				
		reference lines: cross-hairs				
<b>Stage</b>	<b>metal stage size</b>	354×228mm	404×228mm	450×280mm	500×330mm	606×466mm
	<b>glass stage size</b>	210×160mm	260×160mm	306×196mm	321×221mm	450×350mm
	<b>X-Y stage travel range</b>	150×100mm	200×100mm	250×150mm	295×195mm	400×300mm
	<b>resolution</b>	0.5µm				
	<b>accuracy</b>	(3+L/75)µm L is the measuring length in mm				
	<b>Z (focus) travel range</b>	100mm				
	<b>max. load capacity</b>	30kg				
<b>Illumination</b>		contour illumination: 24V/150W halogen lamp, brightness is adjustable				
		surface illumination: 24V/150W halogen lamp				
<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  choose measurement object automatically according to the selective point and display the result				
<b>advanced function</b>		programming for batch measurements				
<b>Power supply</b>		110/220V, 50/60Hz				
<b>Dimension (L×W×H)</b>		780×780×1100mm	780×780×1100mm	810×780×1120mm	900×780×1120mm	1040×780×1120mm
<b>Weight</b>		160kg	160kg	180kg	180kg	250kg

**STANDARD DELIVERY**

<b>Main unit</b>	1 pc
<b>10X lens with half-reflection mirror and oblique illuminator mirror</b>	1 pc
<b>Overlay chart clip</b>	4 pcs
<b>Foot-switch</b>	1 pc
<b>Blue filter</b>	1 pc
<b>Anti-dust cover</b>	1 pc

**OPTIONAL ACCESSORY**

<b>20X lens with half-reflection mirror and oblique illuminator mirror</b>	<b>ISP-A5000-LENS20X</b>
<b>50X lens with half-reflection mirror</b>	<b>ISP-A5000-LENS50X</b>
<b>100X lens with half-reflection mirror</b>	<b>ISP-A5000-LENS100X</b>
<b>Rotary table (for ISP-A4500E/A5000E)</b>	<b>ISP-A5000-TABLE</b>
<b>Rotary table (for ISP-A5001E/A5002E)</b>	<b>ISP-A5001-TABLE</b>
<b>Rotary table (for ISP-A5003E)</b>	<b>ISP-A5003-TABLE</b>
<b>Printer</b>	<b>ISP-A5000-PRINTER</b>

<b>Swivel center support (for ISP-A4500E)</b>	<b>ISP-A4500-SUPPORT</b>
<b>Swivel center support (for ISP-A5000E/A5001E)</b>	<b>ISP-A5000-SUPPORT</b>
<b>Overlay chart</b>	<b>ISP-A5000-CHART</b>
<b>Holder with clamp</b>	<b>ISP-A5000-HOLDER</b>
<b>V-block with clamp</b>	<b>ISP-A5000-VBLOCK</b>
<b>50mm reading scale</b>	<b>ISP-A5000-SCALE50</b>
<b>300mm calibration scale</b>	<b>ISP-A5000-RULE</b>
<b>Demo sample</b>	<b>ISP-A5000-DEMO</b>

THE STAGE DOESN'T  
MOVE UP AND DOWN

**INSPECTION  
CERTIFICATE**

## HIGH PRECISION PROFILE PROJECTORS (WITHOUT EDGE DETECTOR)



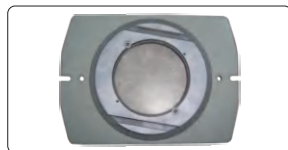
ISP-AZ3020

- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 30kg

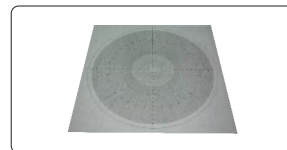
### OPTIONAL ACCESSORY



lens



rotary table  
(glass plate diameter 100mm)



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



holder with clamp



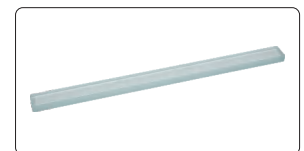
swivel center support



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

To be continued

Continued from previous page

### SPECIFICATION

Code		ISP-AZ3010	ISP-AZ3020	ISP-AZ3025	ISP-AZ3030	ISP-AZ3040
Edge detector		not 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	354×228mm	404×228mm	450×280mm	500×330mm	606×466mm
	glass stage size	210×160mm	260×160mm	306×196mm	321×221mm	450×350mm
	X-Y stage travel range	150×100mm	200×100mm	250×150mm	295×195mm	400×300mm
	resolution	0.5µm				
	accuracy	(3+L/75)µm L is the measuring length in mm				
	Z (focus) travel range	100mm				
	max. load capacity	30kg				
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				
Data processing unit	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				
Power supply		110/220V, 50/60Hz				
Dimension (L×W×H)		780×780×1100mm	780×780×1100mm	810×780×1120mm	900×780×1120mm	1040×780×1120mm
Weight		160kg	160kg	180kg	180kg	250kg

### 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

### 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 (for ISP-AZ3010/3020)	ISP-A5000-TABLE
Rotary table (for ISP-AZ3025/3030)	ISP-A5001-TABLE
Rotary table (for ISP-AZ3040)	ISP-A5003-TABLE

Swivel center support (for ISP-AZ3010)	ISP-A4500-SUPPORT
Swivel center support (for ISP-AZ3020/3025)	ISP-A5000-SUPPORT
Overlay chart	ISP-A5000-CHART
Holder with clamp	ISP-A5000-HOLDER
V-block with clamp	ISP-A5000-VBLOCK
50mm reading scale	ISP-A5000-SCALE50
300mm calibration scale	ISP-A5000-RULE
Demo sample	ISP-A5000-DEMO



**INSPECTION  
CERTIFICATE**

## HORIZONTAL PROFILE PROJECTORS



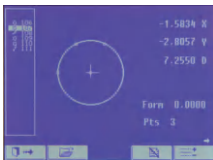

ISP-W3020



ISP-A3000E

digital readout of ISP-A3000E

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

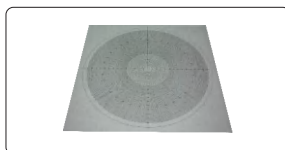


software flash disk (included, only for ISP-A3000E)

### OPTIONAL ACCESSORY



lens



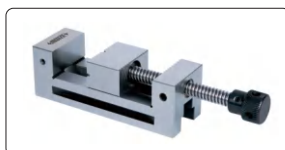
overlay chart (protractor with 1° graduation, radius with 1mm increment)



50mm reading scale (check magnification accuracy)



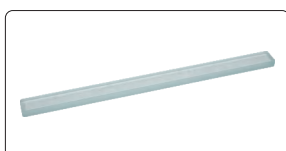
demo sample



vise



rotary table


















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



printer (only for ISP-A3000E)

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
Vise	ISP-A3000-VISE
Printer (only for ISP-A3000E)	ISP-A3000-PRINTER





**INSPECTION  
CERTIFICATE**

## HORIZONTAL PROFILE PROJECTORS



ISP-W4025



ISP-A7000E

digital readout of **ISP-A7000E**

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

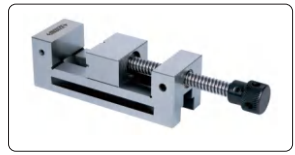


software flash disk (included, only for **ISP-A7000E**)

### OPTIONAL ACCESSORY



lens



vise



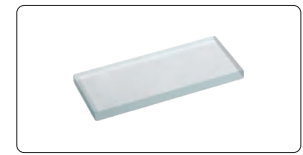
rotary table



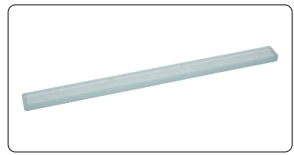
demo sample (need rotary table)



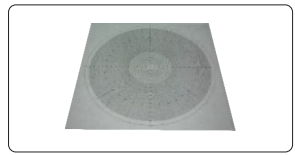
printer (only for **ISP-A7000E**)



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 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					coordinate transform	
		set midpoint of coordinate					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)		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

22

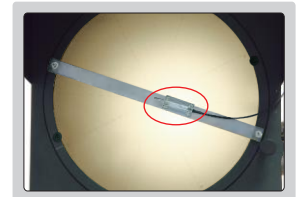
### OPTIONAL ACCESSORY

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
Vise	ISP-A3000-VISE
Printer (only for ISP-A7000E)	ISP-A3000-PRINTER



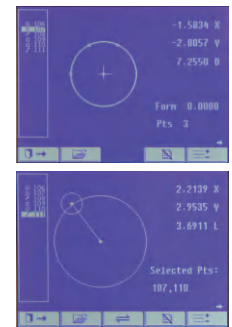
# PROFILE PROJECTORS



edge detector (for ISP-A6000E)

### digital readout

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



ISP-A6000 (without edge detector)



software flash disk (included)

### OPTIONAL ACCESSORY



lens



rotary table  
(glass plate diameter 100mm)



holder with clamp



printer



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










50mm reading scale  
(check magnification accuracy)



demo sample

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	270×170mm				
	X-Y stage travel	range: 200×100mm				
		resolution: 0.5µm				
	Z (focus) travel range	accuracy: (3+L/50)µm L is the measuring length in mm				
max. load capacity	50mm					
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 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

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