

PROFILE PROJECTORS

INSPECTION CERTIFICATE



ISP-Z3015



ISP-A1000E

digital readout of ISP-A1000E

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

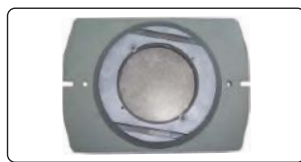


software CD (included, only for ISP-A1000E)

OPTIONAL ACCESSORY



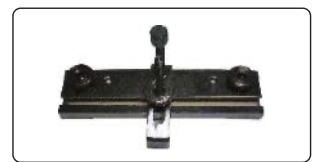
lens



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



VIDEO

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

THE STAGE DOESN'T
MOVE UP AND DOWN

**INSPECTION
CERTIFICATE**



ISP-AZ3020



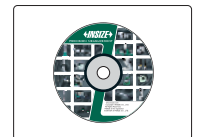
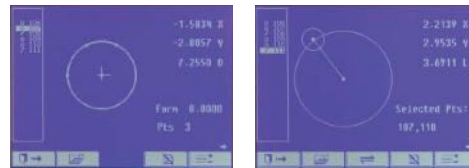
ISP-A5000E



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)

OPTIONAL ACCESSORY



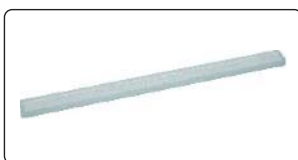
lens



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

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, 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 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