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SPECIFICATION

Code		ISP-Z3015		ISP-A1000E				
Edge detector		not included		included				
	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)			
Lens	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm			
	working distance	77.7mm 44.3mm		38.4mm	25.3mm			
Max. workpied	e height	90mm	90mm	90mm	90mm			
Magnification	accuracy	±0.08%						
Image		erect image						
		diameter: Ø300mm						
Projector scre	en	rotation range: 0°~360°,	resolution: 1" or 0.01°					
		reference lines: cross-ha	iirs					
	metal stage size	340×152mm						
	glass stage size	196×96mm						
		range: 150×50mm						
Stage	X-Y stage travel	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						
munimation		surface illumination: 24V/150W halogen lamp						
	display	X-Y stage travel, screen	rotation					
	output	RS232C		RS232C, USB (data output to Excel and CAD)				
Data processing unit	function	measure coordina measure coordina measure coordina measure center or radius of circle wi measure distance two objects measure angle w points or two lines	ate of line oordinate, th three points between ith four	 measure con measure cen radius of circl measure dista two objects measure ang or two lines 	rdinate of point rdinate of line ter coordinate, le with three points ance between le with four points			
		<pre>set origin of coordinate coordinate transform 1/2 set midpoint of coordinate</pre>		automatically selective poir	urement object according to the and display the result			
	advanced function			programming for bat	ch 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

20X lens with half-reflection mirror	ISD 72015 I ENS20V		Swivel center support	ISP-Z3015-SUPPORT
and oblique illuminator mirror	15P-23015-LENS20X		V-block with clamp	ISP-Z3015-VBLOCK
50X lens with half-reflection mirror	ISP-Z3015-LENS50X		50mm reading scale	ISP-Z3015-SCALE50
100X lens with half-reflection mirror	ISP-Z3015-LENS100X		300mm calibration scale	ISP-Z3015-RULE
Rotary table	ISP-Z3015-TABLE		Blue filter	ISP-Z3015-FILTER
Overlay chart	ISP-Z3015-CHART		Demo sample	ISP-Z3015-DEMO
Holder with clamp	ISP-Z3015-HOLDER		Printer (only for ISP-A1000E)	ISP-A1000-PRINTER
	20X lens with half-reflection mirror and oblique illuminator mirror 50X lens with half-reflection mirror 100X lens with half-reflection mirror Rotary table Overlay chart Holder with clamp	and oblique illuminator mirrorISP-Z3015-LENS20X50X lens with half-reflection mirrorISP-Z3015-LENS50X100X lens with half-reflection mirrorISP-Z3015-LENS100XRotary tableISP-Z3015-TABLEOverlay chartISP-Z3015-CHART	and oblique illuminator mirrorISP-Z3015-LENS20X50X lens with half-reflection mirrorISP-Z3015-LENS50X100X lens with half-reflection mirrorISP-Z3015-LENS100XRotary tableISP-Z3015-TABLEOverlay chartISP-Z3015-CHART	and oblique illuminator mirrorISP-Z3015-LENS20XV-block with clamp50X lens with half-reflection mirrorISP-Z3015-LENS50X50mm reading scale100X lens with half-reflection mirrorISP-Z3015-LENS100X300mm calibration scaleRotary tableISP-Z3015-TABLEBlue filterOverlay chartISP-Z3015-CHARTDemo sample



HIGH PRECISION PROFILE PROJECTORS (WITH EDGE DETECTOR)



THE STAGE DOESN'T MOVE UP AND DOWN

INSPECTION CERTIFICATE



(included)







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



lens



swivel center support



demo sample

OPTIONAL ACCESSORY



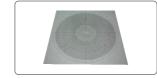
rotary table (glass plate diameter 100mm)



V-block with clamp



printer



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



50mm reading scale (check magnification accuracy)

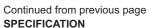


holder with clamp



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

To be continued



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PECIFICATIO	DN								
Code		ISP-A4500E	ISP-A5000E	ISP-A5001E	ISP-A5002E	ISP-A5003E			
Edge detector		included							
	magnification	10X (included)	20X (optiona) 50X (optional) 100X (optional)			
Lens	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm				
	working distance	77.7mm	44.3mm	38.4mm	25.3mn	n			
Max. workpi	ece height	90mm	90mm	90mm	90mm				
Magnificatio	n accuracy	±0.08%							
mage		erect image							
		diameter: Ø300mm	I						
Projector sc	reen	rotation range: 0°~3	360°, resolution: 1" or	0.01°					
		reference lines: cro	ss-hairs						
	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			
Stage	resolution	0.5µm	1		1				
	accuracy	(3+L/75)µm L is t	the measuring length	in mm					
	Z (focus) travel range	100mm							
	max. load capacity	30kg							
		contour illumination: 24V/150W halogen lamp, brightness is adjustable							
Illumination		surface illumination: 24V/150W halogen lamp							
	display	X-Y stage travel, screen rotation							
	output	RS232C, USB (data output to Excel and CAD)							
Data processing unit	function	 measure c radius of ci measure d two objects measure a or two lines coordinate choose me automatica 	ngle with four points s						
	advanced function	programming for batch measurements							
Power suppl		110/220V, 50/60Hz	790×790×1100	910×790×1120	000×780×1100	1040×780×1400			
Dimension (I	_×vv×H)	780×780×1100mm	780×780×1100mm	810×780×1120mm	900×780×1120mm				
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		Swivel center support (for ISP-A4500E)	ISP-A4500-SUPPORT
20X lens with half-reflection mirror and oblique illuminator mirror	ISP-A5000-LENS20X	Swivel center support (for ISP-A5000E/A5001E)	ISP-A5000-SUPPORT
50X lens with half-reflection mirror	ISP-A5000-LENS50X	Overlay chart	ISP-A5000-CHART
100X lens with half-reflection mirror	ISP-A5000-LENS100X	Holder with clamp	ISP-A5000-HOLDER
Rotary table (for ISP-A4500E/A5000E)	ISP-A5000-TABLE	V-block with clamp	ISP-A5000-VBLOCK
Rotary table (for ISP-A5001E/A5002E)	ISP-A5001-TABLE	50mm reading scale	ISP-A5000-SCALE50
Rotary table (for ISP-A5003E)	ISP-A5003-TABLE	300mm calibration scale	ISP-A5000-RULE
Printer	ISP-A5000-PRINTER	Demo sample	ISP-A5000-DEMO



HIGH PRECISION PROFILE PROJECTORS (WITHOUT EDGE DETECTOR)



THE STAGE DOESN'T MOVE UP AND DOWN

INSPECTION CERTIFICATE





ISP-AZ3020

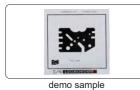
- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 30kg



lens



swivel center support



OPTIONAL ACCESSORY



rotary table (glass plate diameter 100mm)



V-block with clamp



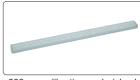
overlay chart (protractor with 1° graduation, radius with 1mm increment)



50mm reading scale (check magnification accuracy)



holder with clamp



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

To be continued

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SPECIFICATION

Code	-	ISP-AZ3010	ISP-AZ3020	ISP-AZ3025	ISP-AZ3030	ISP-AZ3040		
Edge detecto	or	not included						
magnification		10X (included) 20X (optional) 50X (optional) 100X			nal) 100X (d	optional)		
Lens	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm			
	working distance	77.7mm	44.3mm	38.4mm	25.3mn	n		
Max. workpie	ece height	90mm	90mm	90mm	90mm			
Magnificatio	n accuracy	±0.08%						
Image		erect image						
		diameter: Ø300mm	1					
Projector sc	reen	rotation range: 0°~3	360°, resolution: 1" or	· 0.01°				
		reference lines: cro	ss-hairs					
	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		
Stage	resolution	0.5µm						
	accuracy	(3+L/75)µm L is t	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						
	display	X-Y stage travel, so	creen rotation					
	output	RS232C						
Data processing unit	function	Image: measure coordinate of point Image: measure coordinate of line Image: measure center coordinate, radius of circle with three points Image: measure distance between two objects Image: measure angle with four points or two lines Image: measure angle with four points or two lines Image: measure angle measure angle measure Image: measure I						
Power suppl	y	110/220V, 50/60Hz						
Dimension (I	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

Swivel center support (for ISP-AZ3010) ISP-A4500-SUPPORT

OPTIONAL ACCESSORY		Swivel center support	ISP-A5000-SUPPORT
20X lens with half-reflection mirror	ISP-A5000-LENS20X	(for ISP-AZ3020/3025)	ISP-AJ000-SUPPORT
and oblique illuminator mirror	ISF-AJUUU-LENSZUA	Overlay chart	ISP-A5000-CHART
50X lens with half-reflection mirror	ISP-A5000-LENS50X	Holder with clamp	ISP-A5000-HOLDER
100X lens with half-reflection mirror	ISP-A5000-LENS100X	V-block with clamp	ISP-A5000-VBLOCK
Rotary table (for ISP-AZ3010/3020)	ISP-A5000-TABLE	50mm reading scale	ISP-A5000-SCALE50
Rotary table (for ISP-AZ3025/3030)	ISP-A5001-TABLE	300mm calibration scale	ISP-A5000-RULE
Rotary table (for ISP-AZ3040)	ISP-A5003-TABLE	Demo sample	ISP-A5000-DEMO



To be continued

calibrate measuring accuracy)

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SPECIFICATION

Code		ISP-W3020		ISP-A3000E		
Edge detecto	r	not included		included		
	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)	
Lens	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm	
	working distance	77.7mm	44.3mm	38.4mm	25.3mm	
Magnification	n accuracy	±0.08%				
		diameter: Ø300mm				
Projector scr	een	rotation range: 0°~360°,	resolution: 1' or 0.01°			
		reference lines: cross-ha	airs			
	metal stage size	400×150mm				
	turning range	±15°				
		range: 200×100mm				
Stage	X-Z stage travel	resolution: 0.5µm				
		accuracy: (4+L/25)µm	L is the measuring lengt	th in mm		
	Y (focus) travel range	75mm				
	max. load capacity	50kg				
		contour illumination: 24	//150W halogen lamp, br	ightness is adjustal	ble	
Illumination		surface illumination: 12	//150W halogen lamp (wi	(with 2 fibers), position is adjustable		
	display	X-Z stage travel, screer	n rotation			
	output	RS232C		RS232C, USB (data output to Excel and CAD)		
		measure coordinate of point		measure coordinate of point		
		measure coordin	ate of line	measure	coordinate of line	
		measure center coordinate, radius of circle with three points			center coordinate, circle with three points	
Data processing	function	measure distance objects	e between two	two object	distance between cts	
unit		measure angle with four points or two lines		measure or two lin	angle with four points es	
		set origin of coor	dinate	coordinat	te transform	
		coordinate transform		automatic	easurement object ally according to the	
		$\frac{1}{2}$ set midpoint of coordinate		selective	point and display the result	
	advanced function	—		programming for	r batch measurements	
Power supply	y	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

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	20X lens	ISP-A3000-LENS20X		Demo sample	ISP-A3000-DEMO	
	50X lens	ISP-A3000-LENS50X		V-block with clamp	ISP-A3000-VBLOCK	
	100X lens	ISP-A3000-LENS100X		Rotary table	ISP-A3000-RTABLE	
	Overlay chart	ISP-A3000-CHART		Vise	ISP-A3000-VISE	
	50mm reading scale	ISP-A3000-SCALE50		Printer (only for ISP-A3000E)	ISP-A3000-PRINTER	
	300mm calibration scale	ISP-A3000-RULE	-			



HORIZONTAL PROFILE PROJECTORS







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

printer (only for ISP-A7000E)



Ø300mm overlay chart (protractor with 1° graduation, radius with 1mm increment)

50mm reading scale (check magnification accuracy)

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To be continued

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SPECIFICATION

Code		ISP-W4025			ISP-A7000E			
Edge detector		not included			included			
	magnification	5X (optional)	10X (standard)	20X (op	otional)	50X (optional)	100X (optional)	
Lens	view field	Ø80mm	Ø40mm	Ø20mm	<u>,</u>	Ø8mm	Ø4mm	
	working distance	93.7mm	103.9mm	95.1mm	<u>າ</u>	65.7mm	35mm	
Magnificatio	n accuracy	±0.08%						
Image		erect image						
Projector screen		diameter: Ø400	mm					
		rotation range: 0°~360°, resolution: 1' or 0.01°						
		reference lines: cross-hairs						
	metal stage size	450×200mm						
	turning range	±15°						
		range: 250×150mm						
Stage	X-Z stage travel	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					
mummation		surface illumination: 12V/150W halogen lamp (with 2 fibers), position is adjustable				table		
	display	X-Z stage travel, screen rotation						
	output	RS232C			RS232C, USB (data output to Excel and CAD)			
		x measure coordinate of point		measure coordinate of point				
			coordinate of line		0	measure coordinate	of line	
		radius of circle with three points		measure center coordinate, radius of circle with three points				
Data processing	function	measure distance between two objects		two objects		etween		
unit		measure angle with four points or two lines			measure angle with four points or two lines			
		set origir	of coordinate		1	coordinate transform		
		coordinate transform		choose measurement object automatically according to the selective point and display the result				
		1/2 set midp	oint of coordinate		5	elective point and di	splay the result	
	advanced function	—			programming for batch measurements			
Power supply	y	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

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5X lens	ISP-W4025-LENS5X	300mm calibration scale	ISP-A3000-RULE
20X lens	ISP-W4025-LENS20X	Demo sample	ISP-A3000-DEMO
50X lens	ISP-W4025-LENS50X	V-block with clamp	ISP-A3000-VBLOCK
100X lens	ISP-W4025-LENS100X	Rotary table	ISP-A3000-RTABLE
Ø300mm overlay chart	ISP-A3000-CHART	Vise	ISP-A3000-VISE
50mm reading scale	ISP-A3000-SCALE50	Printer (only for ISP-A7000E)	ISP-A3000-PRINTER



ISP-A6000 (without edge detector)





printer







holder with clamp

OPTIONAL ACCESSORY





demo sample



lens



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





50mm reading scale (check magnification accuracy)

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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					
	magnification	5X (optional)	10X (included)	20X (optional)	50X (optional)	100X (optional)	
Lens	view field	Ø120mm	Ø60mm	Ø30mm	Ø12mm	Ø6mm	
	working distance	242.8mm	143.2mm	85.5mm	92mm	48.5mm	
Magnification accu	racy	±0.08%					
Image		erect image					
	metal stage size	404×265mm					
	glass stage size	270×170mm					
		range: 200×100)mm				
Stage	X-Y stage travel	resolution: 0.5µ					
		accuracy: (3+L/50)µm L is the measuring length in mm					
	Z (focus) travel range	50mm					
	max. load capacity	ty 5kg					
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable					
		surface illumination: 12V/150W halogen lamp (with 2 fibers), position is adjustable					
	display	X-Y stage travel, screen rotation					
	output	RS232C, USB (data output to Excel and CAD)					
		measure coordinate of point measure coordinate of line					
Data processing unit	function	 measure center coordinate, radius of circle with three points measure distance between two objects 					
		measure angle with four points or two linescoordinate transform					
		choose measurement object automatically according to the selective point and display the result					
	advanced function		or batch measurem	ents			
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

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		