PROFILE PROJECTORS







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



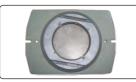
lens



swivel center support



blue filter



rotary table (glass plate diameter 100mm)



V-block with clamp



demo sample



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



50mm reading scale (check magnification accuracy)



printer (only for ISP-A1000E)



holder with clamp



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



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	ce height	90mm 90mm	90mm 90mm				
Magnification	accuracy	±0.08%					
Image		erect image					
		diameter: Ø300mm					
Projector scre	en	rotation range: 0°~360°, resolution: 1" or 0.0	1°				
		reference lines: cross-hairs					
	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 I	ength in mm				
	Z (focus) travel range	90mm	_ 				
	max. load capacity	4kg					
		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	RS232C, USB (data output to Excel and CAD)				
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	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)	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 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			

4INSIZE+

PROFILE PROJECTORS









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 buttonsUSB data output to Excel and CAD
- show diagram







software CD (included, only for ISP-A5000E)

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



demo sample



V-block with clamp



printer (only for ISP-A5000E)



50mm reading scale (check magnification accuracy)



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



SPECIFICATION

Code		ISP-AZ3020		ISP-A500	0E		
Edge detector	r	not included		included			
	magnification	10X (included) 20X (optional)		50X (opti	onal) 100X (optional)		
Lens	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm		
	working distance	77.7mm	44.3mm	38.4mm	25.3mm		
Max. workpie	-	100mm	100mm	100mm	100mm		
Magnification		±0.08%					
Image		erect image					
		diameter: Ø300mm					
Projector scre	een	rotation range: 0°~360	0°, resolution: 1" or 0.0°	1°			
		reference lines: cross-					
	metal stage size	404×228mm					
	glass stage size	260×160mm					
		range: 200×100mm					
Stage	X-Y stage travel	resolution: 0.5µm					
		accuracy: (3+L/75)µm L is the measuring length in mm					
	Z (focus) travel range	100mm					
	max. load capacity	50kg					
III	contour illumination: 24V/150W halogen lamp, brightness is adjustable			s adjustable			
Illumination		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 coord measure coord measure center radius of circle measure distartwo objects measure angle points or two line set origin of co coordinate tran 1/2 set midpoint of	dinate of line er coordinate, with three points nce between e with four nes oordinate	me rad me two or co	easure coordinate of point easure coordinate of line easure center coordinate, dius of circle with three points easure distance between o objects easure angle with four points two lines ordinate transform oose measurement object tomatically according to the lective point and display the result		
	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

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

INSPECTION





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)



lens



demo sample



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

OPTIONAL ACCESSORY



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



vise



printer (only for ISP-A3000E)



50mm reading scale (check magnification accuracy)



rotary table



SPECIFICATION

Code		ISP-W3020			ISP-A3000E		
Edge detector		not included			included		
magnification		10X (included) 20X (optional)		50X (optional)	100X (optional)	
Lens	view field	Ø30mm	Ø15mm	Ø6mr	n	Ø3mm	
	working distance	77.7mm	44.3mm	38.4m	nm	25.3mm	
Magnification	n accuracy	±0.08%					
		diameter: Ø300mm					
Projector scr	een		°, resolution: 1' or 0.01°				
		reference lines: cross-	hairs				
	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 len	gth in mm			
	Y (focus) travel range	75mm					
	max. load capacity	50kg					
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable					
illumination		surface illumination: 12V/150W halogen lamp (with 2 fibers), position is adjustable					
	display	X-Z stage travel, screen rotation					
	output	RS232C	RS23	RS232C, USB (data output to Excel and CAD)			
		x measure coordi	inate of point	0	measure coor	dinate of point	
		measure coordi	inate of line		measure coor	dinate of line	
		measure center radius of circle	r coordinate, with three points	(5)	measure center radius of circle	er coordinate, with three points	
Data processing	C onstitution	measure distan objects	ce between two		measure dista two objects	nce between	
unit	function	measure angle or two lines	with four points	3	measure angle or two lines	e with four points	
		set origin of coo	ordinate		coordinate tra	nsform	
		coordinate trans	sform		choose measu automatically a	ccording to the	
		set midpoint of coordinate			selective point and display the result		
advanced function		_	progra	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			

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		

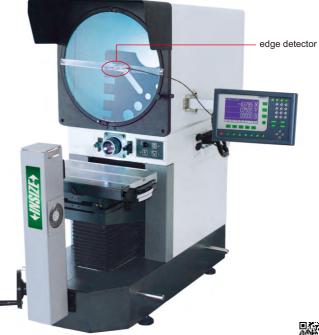
Demo sample	ISP-A3000-DEMO		
V-block with clamp	ISP-A3000-VBLOCK		
Rotary table	ISP-A3000-RTABLE		
Vice	ISP-A3000-VISE		
Printer (only for ISP-A3000E)	ISP-A3000-PRINTER		

+INSIZE

HORIZONTAL PROFILE PROJECTORS







digital readout of ISP-A7000E

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





ISP-A7000E



software CD (included, only for ISP-A7000E)





demo sample (need rotary table)



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

OPTIONAL ACCESSORY





printer (only for ISP-A7000E)



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



rotary table



50mm reading scale (check magnification accuracy)



SPECIFICATION

Code		ISP-W4025			ISP-A7	000E		
Edge detecto	or	not included			included			
	magnification	5X (optional)	10X (standard)	20X (op	tional)	50X (optional)	100X (optional)	
Lens	view field	Ø80mm	Ø40mm	Ø20mm	,	Ø8mm	Ø4mm	
	working distance	93.7mm	103.9mm	95.1mm		65.7mm	35mm	
Magnification	-	±0.08%						
mage		erect image						
		diameter: Ø400i	mm					
Projector scr	een		0°~360°, resolution:	l' or 0.01°				
		reference lines:						
	metal stage size	450×200mm						
	turning range	±15°						
		range: 250×150	mm					
Stage	X-Z stage travel	resolution: 0.5µr						
Ü	-		25)µm L is the mea	surina lenat	h in mm			
	Y (focus) travel range	100mm						
	max. load capacity	50kg						
			tion: 24V/150W halo	gen lamp, b	riahtness	is adjustable		
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable surface illumination: 12V/150W halogen lamp (with 2 fibers), position is adjustable						
	display	X-Z stage travel, screen rotation						
	output	RS232C			RS2320	C, USB (data output	to Excel and CAD)	
Data processing unit	function	measure measure radius of measure two object measure or two lin set origin coordinat	angle with four pointes of coordinate te transform			measure coordinate measure coordinate measure center coordinate of circle with the measure distance betwo objects measure angle with or two lines coordinate transform hoose measuremen utomatically accordinate distance of the coordinate of the coo	of line rdinate, hree points etween four points t object ng to the	
	advanced function	set midpo	oint of coordinate		progran	nming for batch mea	surements	
Power supply		110/220V, 50/60	Hz					
Dimension (L		646×1215×1210mm						
Weight	·	240kg						

STANDARD DELIVERY

OTTO 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

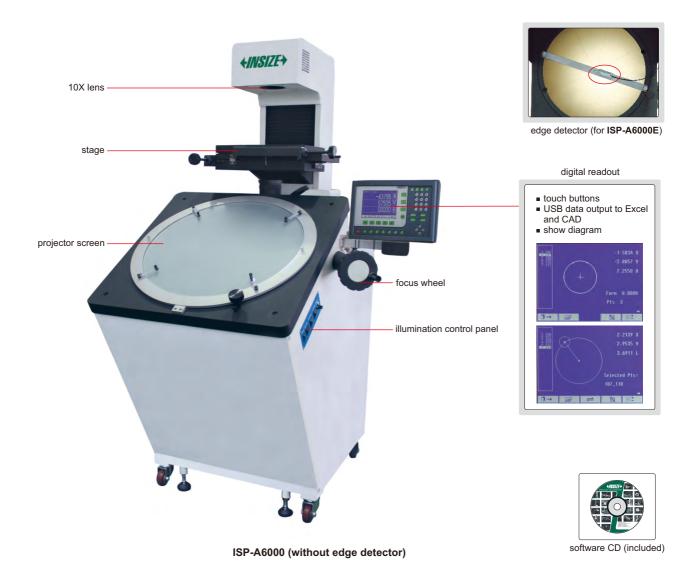
OF HONAL ACCESSORT	
5X lens	ISP-W4025-LENS5X
20X lens	ISP-W4025-LENS20X
50X lens	ISP-W4025-LENS50X
100X lens	ISP-W4025-LENS100X
Ø300mm overlay chart	ISP-A3000-CHART
50mm reading scale	ISP-A3000-SCALE50

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

+INSIZE+

PROFILE PROJECTORS





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



SPECIFICATION

Code		ISP-A6000		ISP-	A6000E	
Edge detector		not included included				
		diameter: Ø600mm				
Projector screer	1	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 ac	ccuracy	±0.08%				
Image		erect image				
	metal stage size	404×265mm				
	glass stage size	207×170mm				
		range: 200×10	0mm			
	X-Y stage travel	resolution: 0.5µ				
Stage		accuracy: (3+L/50)µm L is the measuring length in mm				
	Z (focus) travel range	50mm				
	max. load capacity	5kg				
		contour illumination: 24V/150W halogen lamp, brightness is adjustable				
Illumination		surface illumination: 12V/150W halogen lamp (with 2 fibers), position is adjustable				
	display	X-Y stage travel, screen rotation RS232C, USB (data output to Excel and CAD)				
	output					
Data processing unit	function	measure measure measure coordina choose	e distance betweel e angle with four p ate transform	e, radius of circle with two objects oints or two lines ect automatically acc		
	advanced function	programming for batch measurements				
Power supply		110/220V, 50/60Hz				
Dimension (L×W	√×H)	1200×1140×19	40mm			
Weight		360kg				

STANDARD DELIVERY

O IANDARD DELIVERY	
Main unit	1 pc
10X lens	1 pc
Foot-switch	1 pc
Software (only for ISP-A6000E) 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
Swivel center support	ISP-A6000-SUPPORT

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