PROFILE PROJECTORS

edge detector

ISP-Z3015

ISP-A1000E

digital readout of **ISP-A1000E**

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

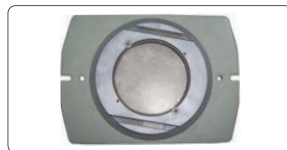| -1.5834 X | 2.2139 X |
-2.8057 Y	2.9535 Y
7.2550 D	3.6911 L
Form 0.0000	Selected Pts:
Pts 3	107,110

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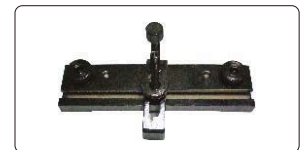
VIDEO

OPTIONAL ACCESSORY

lens

rotary table
(glass plate diameter 100mm)

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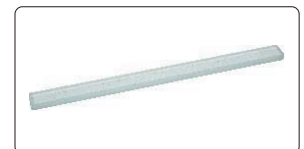graduation, radius with 1mm increment)
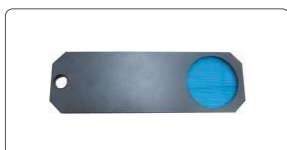
holder with clamp

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**)

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		Swivel center support	ISP-Z3015-SUPPORT
			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