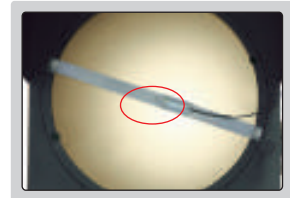
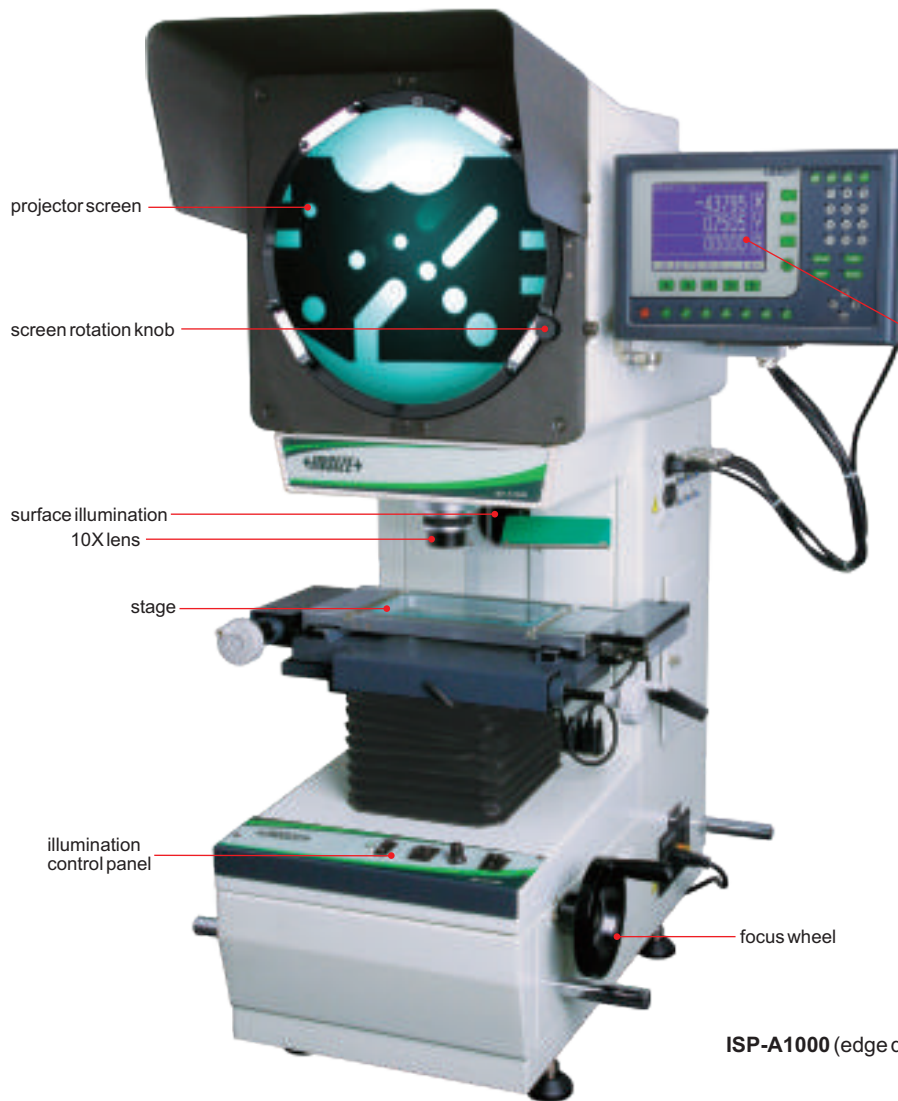


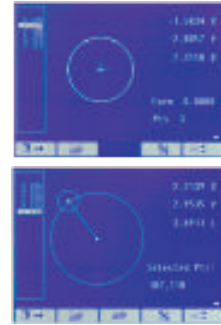
# PROFILE PROJECTOR



edge detector for ISP-A1000E

### data processing unit

- touch button
- display with graph



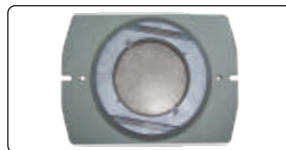
- output data into Excel or CAD via USB port

ISP-A1000 (edge detector is not included)

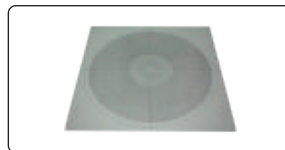
## OPTIONAL ACCESSORY



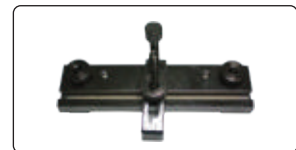
lens



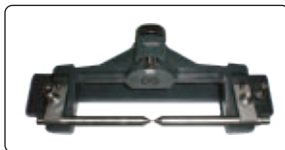
rotary table  
(glass plate diameter 100mm)



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



holder with clamp



swivel center support



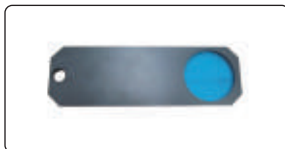
V-block with clamp



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



**SPECIFICATION**

<b>Code</b>		<b>ISP-A1000</b>	<b>ISP-A1000E</b>		
<b>Edge detector</b>		not included	included		
<b>Projector screen</b>		diameter: Ø300mm			
		rotation range: 0°~360°, resolution: 1" or 0.05°			
		reference lines: cross-hairs			
<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>Stage</b>	<b>metal stage size</b>	340x152mm			
	<b>glass stage size</b>	196x96mm			
	<b>X-Y stage travel</b>	range: 150x50mm			
		resolution: 0.5µm			
		accuracy: $(4+L/25)\mu\text{m}$ L is the measuring length in mm			
<b>Z (focus) travel range</b>	90mm				
<b>max. load capacity</b>		4kg			
<b>Illumination</b>		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp, brightness is adjustable			
<b>Data processing unit</b>	<b>display</b>	X-Y stage travel, screen rotation			
	<b>output</b>	RS232C, USB (output data into Excel or CAD)			
	<b>function</b>		measure coordinate of point		
			measure coordinate of line		
		measure center coordinate, radius of circle			
		measure distance between two objects			
		measure angle with two lines			
		coordinate transform			
<b>advanced function</b>	program for large quantity measurement				
<b>Dimension (L×W×H)</b>		550x770x1100mm			
<b>Weight</b>		130kg			

**STANDARD DELIVERY**

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

**OPTIONAL ACCESSORY**

<b>20X lens with half-reflection mirror and oblique illuminator mirror</b>	ISP-A1000-LENS20X
<b>50X lens with half-reflection mirror</b>	ISP-A1000-LENS50X
<b>100X lens with half-reflection mirror</b>	ISP-A1000-LENS100X
<b>Rotary table</b>	ISP-A1000-TABLE
<b>Overlay chart</b>	ISP-A1000-CHART
<b>Holder with clamp</b>	ISP-A1000-HOLDER
<b>Swivel center support</b>	ISP-A1000-SUPPORT
<b>V-block with clamp</b>	ISP-A1000-VBLOCK
<b>50mm reading scale</b>	ISP-A1000-SCALE50
<b>300mm calibration scale</b>	ISP-A1000-RULE
<b>Blue filter</b>	ISP-A1000-FILTER
<b>Demo sample</b>	ISP-A1000-DEMO
<b>Printer</b>	ISP-A1000-PRINTER

