HORIZONTAL PROFILE PROJECTORS

INSPECTION CERTIFICATE

edge detector

ISP-W3020-U

ISP-A3000E-U

digital readout of **ISP-A3000E-U**

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

software flash disk
(included, only for
ISP-A3000E-U)

OPTIONAL ACCESSORY

lens

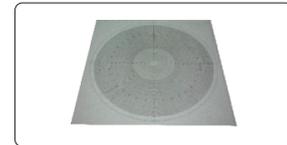1.97"/50mm reading scale
(check magnification accuracy)

demo sample

vise

rotary table

11.81" DIA/Ø300mm overlay chart
(protractor with 1° graduation,
radius with .039"/1mm increment)

11.81"/300mm calibration scale (check
magnification accuracy together
with 1.97"/50mm reading scale or
calibrate measuring accuracy)

printer (only for **ISP-A3000E-U**)

SPECIFICATION

Part No.		ISP-W3020-U		ISP-A3000E-U	
Edge detector		not included		included	
Lens	magnification	10X (included)	20X (**optional**)	50X (**optional**)	100X (**optional**)
	view field	1.18" DIA	.59" DIA	.24" DIA	.12" DIA
	working distance	3.06"	1.74"	1.51"	1.00"
Magnification accuracy		±0.08%			
Projector screen		diameter: 12" DIA			
		rotation range: 0°~360°, resolution: 1" or 0.01°			
		reference lines: cross-hairs			
Stage	metal stage size	15.75"×5.91"			
	turning range	±15°			
	X-Z stage travel	range: 8"×4"			
		resolution .00002"			
		accuracy: (157.5+40L)µin L is the measuring length in inch			
	Y (focus) travel range	2.95"			
	max. load capacity	110.23lb			
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp (with 2 fibers), position is adjustable			
Data processing unit	display	X-Z stage travel, screen rotation			
	output	RS232C		RS232C, USB (data output to Excel)	
	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 V, 50/60Hz			
Dimension (L×W×H)		32.68×42.91×39.76"			
Net weight		352lb			

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-U) and USB cable	1 pc

OPTIONAL ACCESSORY

20X lens	ISP-A3000-LENS20X	Swivel center support	ISP-A3000-SUPPORT
50X lens	ISP-A3000-LENS50X	Demo sample	ISP-A1000-DEMO
100X lens	ISP-A3000-LENS100X	V-block with clamp	ISP-A3000-VBLOCK
Overlay chart	ISP-A1000-CHART	Rotary table	ISP-A3000-RTABLE
50mm reading scale	ISP-A1000-SCALE50	Vise	ISP-A3000-VISE
300mm calibration scale	ISP-A1000-RULE	Printer (only for ISP-A3000E-U)	ISP-A1000-PRINTER