HORIZONTAL PROFILE PROJECTORS

VIDEO

edge detector

ISP-W4025-U

ISP-A7000E-U

digital readout of **ISP-A7000E-U**

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

software flash disk
(included, only for
ISP-A7000E-U)

OPTIONAL ACCESSORY

lens

vise

rotary table

demo sample (need rotary table)

printer (only for **ISP-A7000E-U**)

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

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

SPECIFICATION

Part No.		ISP-W4025-U			ISP-A7000E-U	
Edge detector		not included			included	
Lens	magnification	5X (optional)	10X (standard)	20X (optional)	50X (optional)	100X (optional)
	view field	3.15" DIA	1.57" DIA	.79" DIA	.31" DIA	.16" DIA
	working distance	3.69"	4.09"	3.74"	2.59"	1.38"
Magnification accuracy		±0.08%				
Image		erect image				
Projector screen		diameter: 16" DIA				
		rotation range: 0°~360°, resolution: 1" or 0.01°				
		reference lines: cross-hairs				
Stage	metal stage size	17.72×7.87"				
	turning range	±15°				
	X-Z stage travel	range: 10×6"				
		resolution .00002"				
		accuracy: (157.5+40L)µin L is the measuring length in inch				
	Y (focus) travel range	3.94"				
	max. load capacity	110.23lb				
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable				
		surface illumination: 21V/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	
		½ set midpoint of coordinate				
	advanced function	—			programming for batch measurements	
Power supply		110 V, 50/60Hz				
Dimension (L×W×H)		25.43×47.83×47.64"				
Net weight		529lb				

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-U) and USB cable	1 pc

OPTIONAL ACCESSORY

5X lens	ISP-A7000-LENS5X	Swivel center support (for ISP-A7000E-U/ISP-W4025-U)	ISP-A3000-SUPPORT
20X lens	ISP-A7000-LENS20X	Demo sample	ISP-A1000-DEMO
50X lens	ISP-A7000-LENS50X	V-block with clamp	ISP-A3000-VBLOCK
100X lens	ISP-A7000-LENS100X	Rotary table	ISP-A3000-RTABLE
300mm calibration scale	ISP-A1000-RULE	Vise	ISP-A3000-VISE
50mm reading scale	ISP-A1000-SCALE50	Printer (only for ISP-A7000E-U)	ISP-A1000-PRINTER