HORIZONTAL PROFILE PROJECTORS

edge detector

ISP-W4025

ISP-A7000E

VIDEO

digital readout of **ISP-A7000E**

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

| -1.5834 X |
| -2.8057 Y |
| 7.2550 D |
| Form 0.0000 |
| Pts 3 |

| 2.2139 X |
| 2.9535 Y |
| 3.6911 L |
| Selected Pts: |
| 107,110 |

software CD
(included, only for
ISP-A7000E)

OPTIONAL ACCESSORY

lens
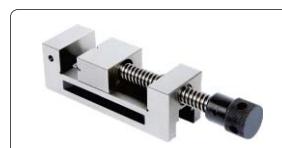
vise

rotary table

demo sample (need rotary table)

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

50mm reading scale
(check magnification accuracy)

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

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

To be continued

SPECIFICATION

Code	ISP-W4025			ISP-A7000E	
Edge detector	not included			included	
Lens	magnification	5X (optional)	10X (standard)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø80mm	Ø40mm	Ø20mm	Ø8mm	Ø4mm
	working distance	93.7mm	103.9mm	95.1mm	65.7mm	35mm
Magnification accuracy	±0.08%				
Image	erect image				
Projector screen	diameter: Ø400mm				
	rotation range: 0°~360°, resolution: 1' or 0.01°				
	reference lines: cross-hairs				
Stage	metal stage size	450×200mm				
	turning range	±15°				
	X-Z stage travel	range: 250×150mm				
		resolution: 0.5µm				
		accuracy: (4+L/25)µm L is the measuring length in mm				
	Y (focus) travel range	100mm				
	max. load capacity	50kg				
Illumination	contour illumination: 24V/150W halogen lamp, brightness is adjustable				
	surface illumination: 12V/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 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)	1215×646×1210mm				
Weight	240kg				

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) and USB cable	1 pc

OPTIONAL ACCESSORY

5X lens	ISP-W4025-LENS5X	300mm calibration scale	ISP-A3000-RULE
20X lens	ISP-W4025-LENS20X	Demo sample	ISP-A3000-DEMO
50X lens	ISP-W4025-LENS50X	V-block with clamp	ISP-A3000-VBLOCK
100X lens	ISP-W4025-LENS100X	Rotary table	ISP-A3000-RTABLE
Ø300mm overlay chart	ISP-A3000-CHART	Vice	ISP-A3000-VISE
50mm reading scale	ISP-A3000-SCALE50	Printer (only for ISP-A7000E)	ISP-A3000-PRINTER