

# HORIZONTAL PROFILE PROJECTORS



ISP-W4025



ISP-A7000E



## digital readout of ISP-A7000E

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






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)

## 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)   |   | 646×1215×1210mm   |   |                |   |   |  |
| 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   |
| 20X lens             | ISP-W4025-LENS20X  |
| 50X lens             | ISP-W4025-LENS50X  |
| 100X lens            | ISP-W4025-LENS100X |
| Ø300mm overlay chart | ISP-A3000-CHART    |
| 50mm reading scale   | ISP-A3000-SCALE50  |

|                               |                   |
|-------------------------------|-------------------|
| 300mm calibration scale       | ISP-A3000-RULE    |
| Demo sample                   | ISP-A3000-DEMO    |
| V-block with clamp            | ISP-A3000-VBLOCK  |
| Rotary table                  | ISP-A3000-RTABLE  |
| Vice                          | ISP-A3000-VISE    |
| Printer (only for ISP-A7000E) | ISP-A3000-PRINTER |