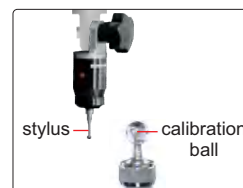


HIGH-DEFINITION MANUAL VISION MEASURING SYSTEMS



lens with coaxial light (**optional**, must be installed in factory)



probe (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

STANDARD DELIVERY

| | |
|-------------------------|------|
| Main unit | 1 pc |
| Computer | 1 pc |
| Calibration glass chart | 1 pc |
| Clay | 1 pc |
| Foot switch | 1 pc |
| Anti-dust cover | 1 pc |

- High-definition image
- Large view field
- Electronic magnification feedback lens: when the objective lens magnification is changed manually, the software automatically selects the corresponding pre-calibration data and calibration is not needed

SPECIFICATION

| Code | ISD-H210 | ISD-H320 | ISD-H430 |
|------------------------------|--|---------------|---------------|
| Measuring range (X×Y×Z) | 200×100×150mm | 300×200×150mm | 400×300×150mm |
| Stage size | 404×228mm | 500×330mm | 606×466mm |
| Glass stage size | 260×160mm | 350×250mm | 450×350mm |
| Resolution of X/Y/Z axis | 0.5µm | | |
| Accuracy of X/Y axis | ≤(2.5+L/100)µm (L is the measuring length in mm) | | |
| Repeatability of X/Y axis | 2µm | | |
| Objective | 0.58X~7.5X (zoom) | | |
| View field (diagonal length) | 1.4mm~14mm | | |
| Working distance | 82mm | | |
| Magnification | 27.4X~351X (on 24" monitor) | | |
| Camera | giga-bit network camera | | |
| Illumination | surface and contour with adjustable LED | | |
| Max. height of workpiece | 150mm | | |
| Max. weight of workpiece | 20kg | | |
| Operation system | Windows 7/8/10 | | |
| Drive method | manual | | |
| Power supply | 110~240V, 50/60Hz | | |
| Dimension (L×W×H) | 540×560×850mm | 760×600×900mm | 970×670×940mm |
| Weight | 110kg | 140kg | 240kg |

OPTIONAL ACCESSORY

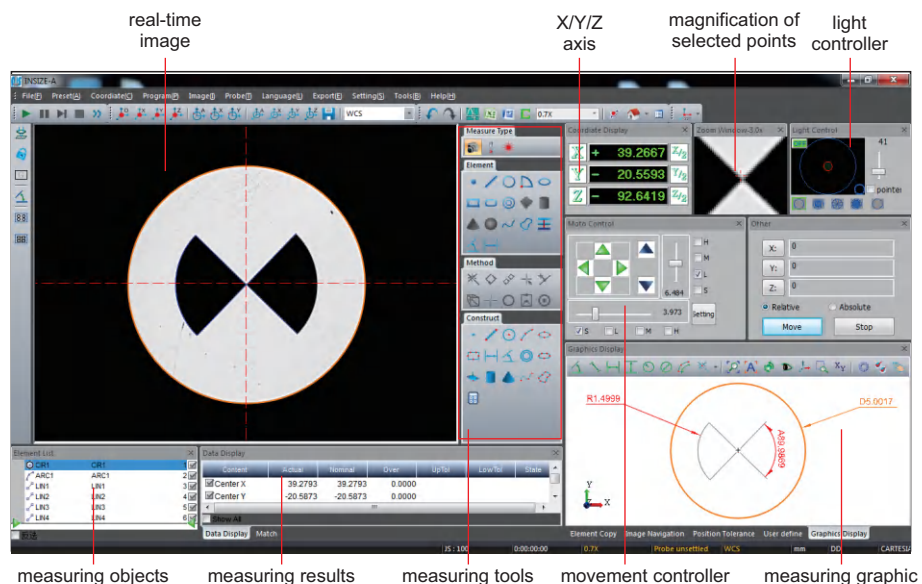
| | |
|---|--|
| 0.5X auxiliary objective | code: ISD-H-OB05X working distance: 155mm magnification: 13.7~175.5X (on 24" monitor) |
| 2X auxiliary objective | code: ISD-H-OB2X working distance: 34.5mm magnification: 54.8~702X (on 24" monitor) |
| Probe | code: ISD-V-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Vision measuring system with coaxial light lens | code: ISD-H210CL, ISD-H320CL, ISD-H430CL |
| Office software | code: 7313-OFFICE |

To be continued

Continued from previous page

SOFTWARE (INCLUDED)

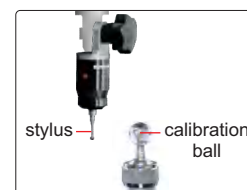
- Refer to page 671~672 for details



MANUAL VISION MEASURING SYSTEMS (STANDARD TYPE)



lens with coaxial light (optional, must be installed in factory)



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

SPECIFICATION

ISD-V250A

| Code | ISD-V150A | ISD-V250A | ISD-V300A | ISD-V400A |
|---------------------------|--|---------------|---------------|---------------|
| Measuring range (X×Y×Z) | 150×100×150mm | 250×150×150mm | 300×200×150mm | 400×300×150mm |
| Stage size | 354×228mm | 450×280mm | 500×330mm | 606×466mm |
| Glass stage size | 210×160mm | 306×196mm | 350×250mm | 450×350mm |
| Resolution of X/Y/Z axis | 0.5µm | | | |
| Accuracy of X/Y axis | ≤(2.5+L/100)µm (L is the measuring length in mm) | | | |
| Repeatability of X/Y axis | 2µm | | | |
| Objective | 0.7X~4.5X (zoom) | | | |
| Working distance | 92mm | | | |
| Magnification | 29X~184X (on 21.5" monitor) | | | |
| Camera | 1/3" color CCD, 0.3M pixel | | | |
| Illumination | surface and contour with adjustable LED | | | |
| Max. height of workpiece | 150mm | | | |
| Max. weight of workpiece | 20kg | | | |
| Operation system | Windows 7/8/10 | | | |
| Drive method | manual | | | |
| Power supply | 110/220V, 50/60Hz | | | |
| Dimension (L×W×H) | 560×540×850mm | 760×600×900mm | 760×600×900mm | 970×670×940mm |
| Weight | 100kg | 120kg | 140kg | 240kg |

To be continued

Continued from previous page

STANDARD DELIVERY

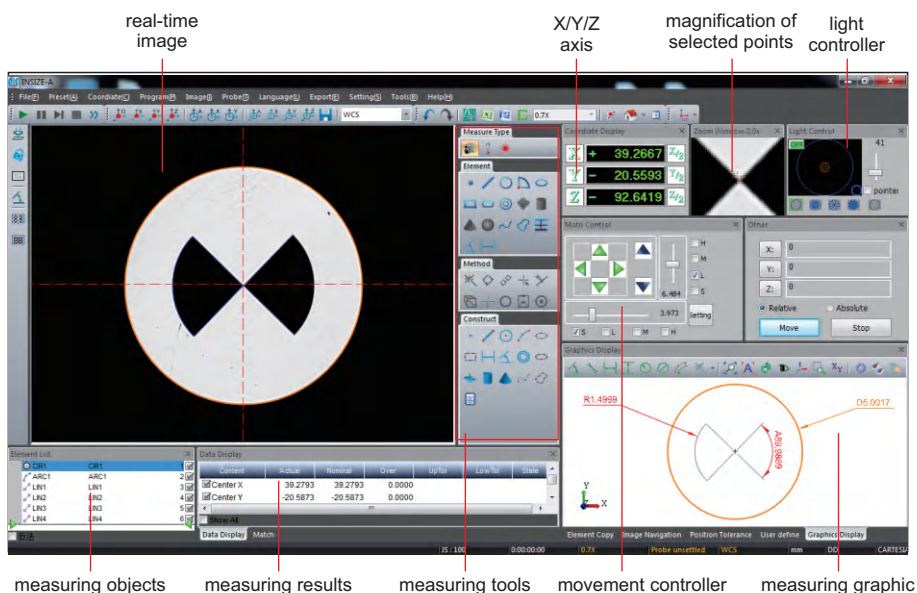
| | |
|-------------------------|------|
| Main unit | 1 pc |
| Computer | 1 pc |
| Calibration glass chart | 1 pc |
| Clay | 1 pc |
| Foot switch | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

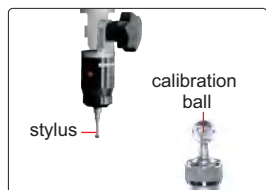
| | |
|---|---|
| 0.5X auxiliary objective | code: ISD-V-OB05X working distance: 175mm magnification: 14.5~92X (on 21.5" monitor) |
| 2X auxiliary objective | code: ISD-V-OB2X working distance: 36mm magnification: 58~368X (on 21.5" monitor) |
| Probe | code: ISD-V-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Vision measuring system with coaxial light lens (with computer) | code: ISD-V150ACL, ISD-V250ACL, ISD-V300ACL, ISD-V400ACL |
| Office software | code: 7313-OFFICE |

SOFTWARE (INCLUDED)

- Refer to page 671~672 for details



MANUAL VISION MEASURING SYSTEMS (BASIC TYPE)



probe (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm



lens with coaxial light (**optional**, must be installed in factory)



ISD-Y320

computer is included

To be continued

Continued from previous page

SPECIFICATION

| Code | Motorized focus | ISD-Y210D | ISD-Y320D | ISD-Y430D | ISD-Y530D |
|------------------------------|-----------------|--|---------------|----------------|-----------------|
| | Manual focus | ISD-Y210 | ISD-Y320 | ISD-Y430 | ISD-Y530 |
| Measuring range (X×Y×Z) | | 200×100×200mm | 300×200×200mm | 400×300×200mm | 500×300×200mm |
| Stage size | | 404×228mm | 500×330mm | 606×466mm | 706×466mm |
| Glass stage size | | 260×160mm | 350×280mm | 450×350mm | 550×350mm |
| Resolution of X/Y/Z axis | | 1μm | | | |
| Accuracy of X/Y axis | | ≤(3+L/200)μm (L is the measuring length in mm) | | | |
| Repeatability of X/Y axis | | 2μm | | | |
| Objective | | 0.7X~4.5X (zoom) | | | |
| View field (diagonal length) | | 1.0~6.6mm | | | |
| Working distance | | 92mm | | | |
| Magnification | | 37.2X~236.0X (on 21.5" monitor) | | | |
| Camera | | 1/2" color CCD, 1.3M pixel | | | |
| Illumination | | surface and contour with adjustable LED | | | |
| Max. height of workpiece | | 200mm | | | |
| Max. weight of workpiece | | 20kg | | | |
| Operation system | | Windows 10/11 | | | |
| Drive method | | manual | | | |
| Power supply | | 220V, 50Hz | | | |
| Dimension (L×W×H) | | 556×540×860mm | 670×660×950mm | 720×950×1020mm | 800×1040×1020mm |
| Weight | | 180kg | 260kg | 315kg | 500kg |

OPTIONAL ACCESSORY

| | |
|---|--|
| 0.5X auxiliary objective | code: ISD-Y-OB05X working distance: 175mm magnification: 18.6~118.0X (on 21.5" monitor) |
| 2X auxiliary objective | code: ISD-Y-OB2X working distance: 36mm magnification: 74.5~472.0X (on 21.5" monitor) |
| Probe | code: ISD-Y-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Vision measuring system with coaxial light lens | code: ISD-Y210CL (manual focus), ISD-Y210DCL (motorized focus) ISD-Y320CL (manual focus), ISD-Y320DCL (motorized focus) ISD-Y430CL (manual focus), ISD-Y430DCL (motorized focus) ISD-Y530CL (manual focus), ISD-Y530DCL (motorized focus) |
| Office software | code: 7313-OFFICE |

STANDARD DELIVERY

| | |
|-------------------------|------|
| Main unit | 1 pc |
| Computer | 1 pc |
| Calibration glass chart | 1 pc |
| Clay | 1 pc |
| Anti-dust cover | 1 pc |

SOFTWARE (INCLUDED)

