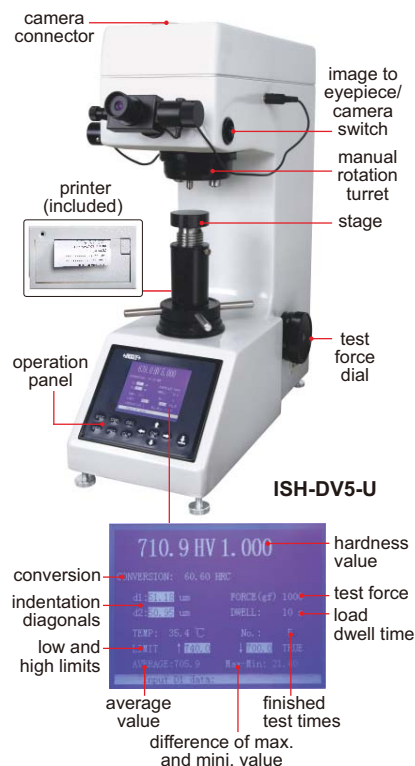




## DIGITAL VICKERS HARDNESS TESTERS

### SPECIFICATION

| Part No.              | ISH-DV5-U**                   | ISH-DV10-U**                                   | ISH-DV50-U**   |
|-----------------------|-------------------------------|--|--|
| Measuring range       | 5HV0.2~2500HV5                | 8HV0.3~2500HV10                                | 5HV1~2500HV50  |
| Test force            | 0.2, 0.5, 1, 2, 3, 5kgf       | 0.3, 0.5, 1, 3, 5, 10kgf                       | 1, 5, 10, 20, 30, 50kgf  |
| Accuracy              | ±3%                           | ±3%  | ±3% (test force 1, 5, 10, 20kgf)<br>±2% (test force 30, 50kgf) |
| Eyepiece              | magnification                 | 10X  | 10X  |
|                       | resolution                    | 0.0625µm/2.46µin                               | 0.0625µm/2.46µin   |
| Objective             | 10X, 20X                      | 10X, 20X                                       | 10X  |
|                       | Total magnification           | 100X (for observation)<br>200X (for measuring) | 100X (for observation)<br>200X (for measuring)                 |
| Stage elevation       | manual                        |  |  |
| Load control          | automatic (load/dwell/unload) |  |  |
| Dwell time            | 5~60 second                   |  |  |
| Max. workpiece height | 6.30"                         |  |  |
| Max. workpiece depth  | 5.31"                         |  |  |
| Data output           | RS232C                        |  |  |
| Power supply          | 110V, 50/60Hz**               |  |  |
| Dimension             | 21.26×10.63×25.59"            |  |  |
| Weight                | 73lb                          | 76lb   | 99lb   |



### STANDARD DELIVERY

|                      |                                 |
|----------------------|---------------------------------|
| Main unit            | 1 pc                            |
| 2.36" DIA flat anvil | 1 pc                            |
| 5.91" DIA flat anvil | 1 pc                            |
| V-type anvil         | 1 pc                            |
| Vickers indenter     | 1 pc                            |
| 10X objective        | 1 pc                            |
| 20X objective        | 1 pc (for ISH-DV5-U/ISH-DV10-U) |
| Vickers test block   | 2 pcs                           |
| Anti-dust cover      | 1 pc                            |

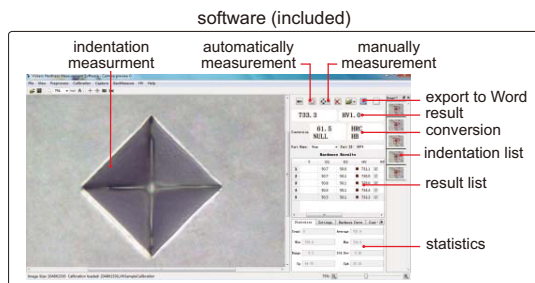


### OPTIONAL ACCESSORY

|                                 |                |
|---------------------------------|----------------|
| Knoop indenter                  | ISH-KNOOP      |
| Measuring system                | 9631-130       |
| Hardness test block 400~500HV5  | ISH-BHV5B      |
| Hardness test block 650~750HV5  | ISH-BHV5C      |
| Hardness test block 400~500HV10 | ISH-BHV10A     |
| Hardness test block 650~750HV10 | ISH-BHV10B     |
| Hardness test block 400~500HV30 | ISH-BHV30      |
| Camera adapter                  | ISH-DV-ADAPTER |

- Based on Vickers (HV), can be converted to HRA, HRB, HRC, HRD, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HK, HBW
- Can take tests up to 99 times, display average value and the difference of max. and mini. value
- Low and high limits with judgement
- Also for Knoop hardness test, Knoop indenter is needed (optional)

- Connected to computer USB port
- Measure the indentation size automatically or manually
- Multiple measurements to have average value, max. value and min. value
- Low and high limits with judgement
- Convert to HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15T/30T/45T, HR15N/30N/45N, HK, HV, HB, HS, HSD
- Calibration with standard test block
- Measurement result can be exported to Word or Excel

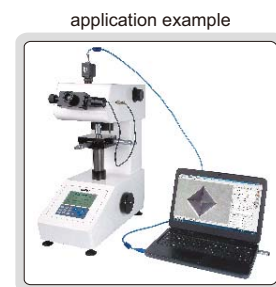
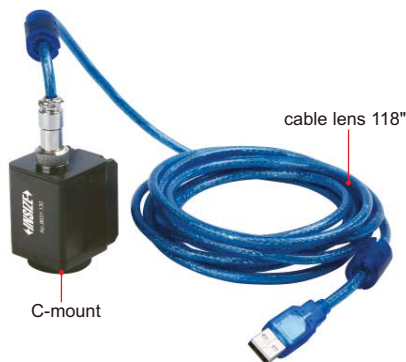


### STANDARD DELIVERY

|                        |      |
|------------------------|------|
| Main unit              | 1 pc |
| USB dongle             | 1 pc |
| USB cable and software | 1 pc |



## VICKERS HARDNESS MEASURING SYSTEM PART NO. 9631-130



### SPECIFICATION

|                                 |  |
|---------------------------------|--|
| Sensor                          | 1/2" CMOS  |
| Pixel                           | 1.3M (resolution1280×1024)   |
| Hardness measurement resolution | 0.1HV  |
| Length measurement resolution   | 0.1µm/3.94µin  |
| Hardness measurement accuracy   | ±3%  |
| Test force                      | 0.01, 0.025, 0.05, 0.1, 0.2, 0.3, 0.5, 1, 2, 2.5, 3, 5, 10, 20, 30, 50, 100kgf |
| Dimension                       | 1.42×1.3×1.26"   |
| Weight                          | 1.11"  |