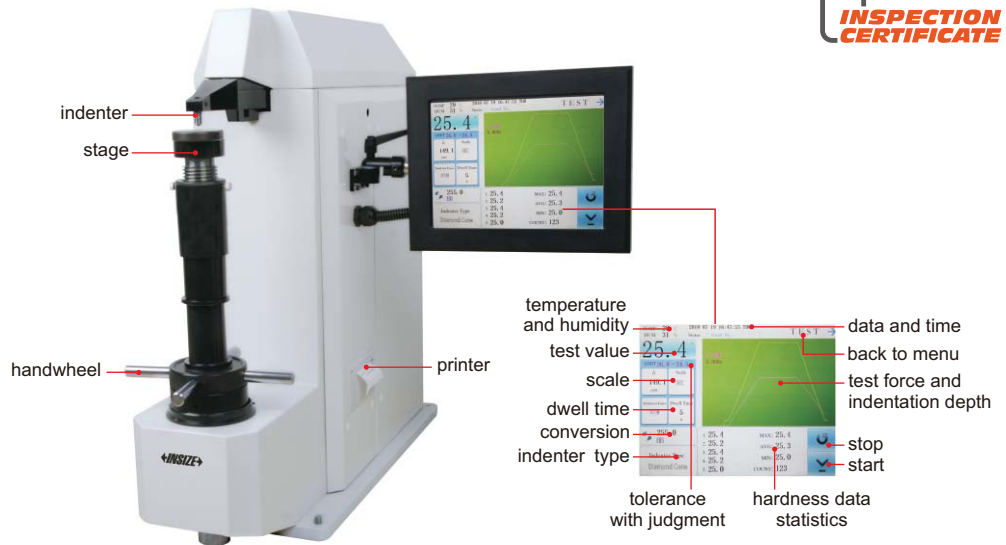


FORCE LOADING BY CLOSE-LOOP SYSTEM (WITHOUT WEIGHT)

AUTOMATIC TESTING, CONTINUOUS TESTING



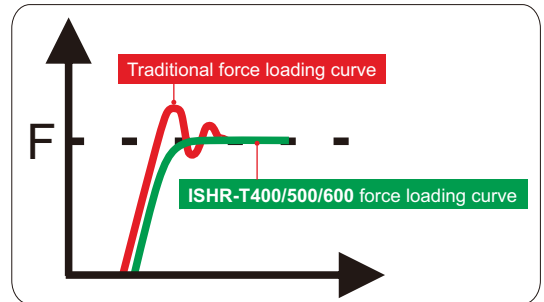
AUTOMATIC DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS (DOLPHIN-NOSE TYPE)



ISHR-T600

- Automatic testing, the preliminary and total test force are loaded by high speed close-loop system automatically
- Dolphin-nose indenter for easy reach of the internal wall of pipes and grooves, the minimum internal diameter is 40mm
- Can transmit test data to computer
- LCD touch screen
- Tolerance with judgement
- Memory of 120 test values for browsing and output
- Provide the maximum, minimum and average values of measurement
- The test process curve shows the material property
- Test force is selected automatically according to hardness scale

The preliminary and total test force are loaded by high speed close-loop system automatically, faster and more stable than traditional motor loading. Loading process is smooth, no overshoot. Loading speed and accuracy are improved greatly



SPECIFICATION

| Code | | ISHR-T400 | ISHR-T500 | ISHR-T600 |
|------------------------|-------------------------|--|---|--|
| Type | | Rockwell | Superficial Rockwell | Rockwell and Superficial Rockwell |
| Hardness scale | with standard indenters | HRA, HRB, HRC, HRD, HRF, HRG | HR15N, HR30N, HR45N, HR15T, HR30T, HR45T | HRA, HRB, HRC, HRD, HRF, HRG, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T |
| | with optional indenters | HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV | HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y | HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y |
| Preliminary test force | | Rockwell: 98N (10kg) | Superficial Rockwell: 29.4N (3kg) | Rockwell: 98N (10kg) Superficial Rockwell: 29.4N (3kg) |
| Total test force | | 588N (60kg), 980N (100kg), 1471N (150kg) | 147.1N (15kg), 294.2N (30kg), 441.3N (45kg) | 147.1N (15kg), 294.2N (30kg), 441.3N (45kg), 588N (60kg), 980N (100kg), 1471N (150kg) |
| Conversion scale | | HR, HB, HK, HV | | |
| Stage elevation | | manual | | |
| Load control | | high speed close-loop system automatic loading (load/dwell/unload) | | |
| Load dwell time | | 0~99 second | | |
| Resolution | | 0.1HR | | |
| Data output | | built-in printer, RS232 | | |
| Max. workpiece height | | 260mm | | |
| Max. workpiece depth | | 150mm (from the center of indenter to the main body) | | |
| Power supply | | 110/220V, 50/60Hz | | |
| Dimension | | 700×260×700mm | | |
| Weight | | 85kg | | |

Continued from previous page

STANDARD DELIVERY

| Code | ISHR-T400 | ISHR-T500 | ISHR-T600 |
|---------------------------------|-----------|-----------|-----------|
| Main unit | 1 pc | 1 pc | 1 pc |
| Ø60mm flat anvil | 1 pc | 1 pc | 1 pc |
| Ø150mm flat anvil | 1 pc | 1 pc | 1 pc |
| V-type anvil | 1 pc | 1 pc | 1 pc |
| Ø1.5875mm carbide ball indenter | 1 pc | 1 pc | 1 pc |
| Diamond indenter | 1 pc | 1 pc | 1 pc |
| Hardness test block HRB88~100 | 1 pc | — | 1 pc |
| Hardness test block HRC20~30 | 1 pc | — | 1 pc |
| Hardness test block HRC35~55 | 1 pc | — | 1 pc |
| Hardness test block HRC60~70 | 1 pc | — | 1 pc |
| Hardness test block 78~88HR15N | — | 1 pc | 1 pc |
| Hardness test block 55~73HR30N | — | 1 pc | 1 pc |
| Hardness test block 57~63HR30T | — | 1 pc | 1 pc |



Ø60mm flat anvil
(included)



Ø150mm flat anvil
(included)



V-type anvil (included)
for cylinders with
diameter Ø4~60mm



small V-type anvil
(optional)
for cylinders with
diameter Ø2~4mm

OPTIONAL ACCESSORY

| | |
|--------------------------------|-----------------|
| Hardness test block HRB88~100 | HDT-B-HRB |
| Hardness test block HRC20~30 | HDT-B-HRC1 |
| Hardness test block HRC35~55 | HDT-B-HRC2 |
| Hardness test block HRC60~70 | HDT-B-HRC3 |
| Hardness test block 78~88HR15N | HDT-B-HR15N2 |
| Hardness test block 55~73HR30N | HDT-B-HR30N2 |
| Hardness test block 57~63HR30T | ISH-B-HR30T1 |
| Small V-type anvil | ISH-SMALLANVIL |
| Connection cable and software | ISHR-T-SOFTWARE |