

# HIGH ACCURACY DIGITAL ROCKWELL AND SUPERFICIAL ROCKWELL HARDNESS TESTER CODE ISH-RSR700\*\*

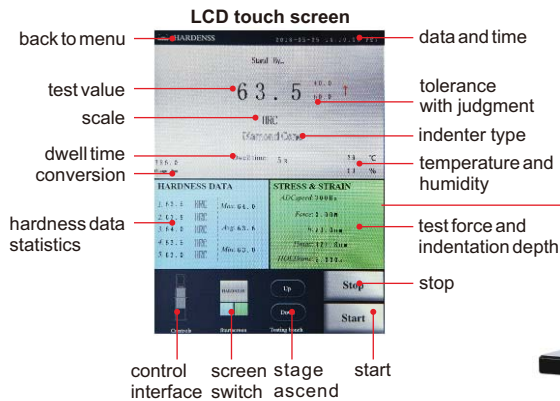


HIGH TEST SPEED

HIGH ACCURACY

ONE-CLICK AUTOMATIC TESTING,  
CONTINUOUS TESTING IS AVAILABLE

FORCE LOADING BY CLOSE-LOOP  
SYSTEM (WITHOUT WEIGHTS)



- Automatic testing, the preliminary and total test force are loaded by high speed close-loop system automatically
- High accuracy (0.5HR)
- High-speed step motor control for quick testing, only 12 seconds for one test
- Start can be controlled by foot switch
- Can be connected to PLC controller
- LCD touch screen
- Sturdy frame structure with good rigidity
- Tolerance with judgement
- Memory of 120 test values for browsing and output
- Provide the maximum, minimum and average value of measurements
- The test process curve shows the material property
- Test force is selected automatically according to hardness scale
- According to ISO 6508

foot switch(optional)



Ø60mm flat anvil (included)



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



desk (optional)

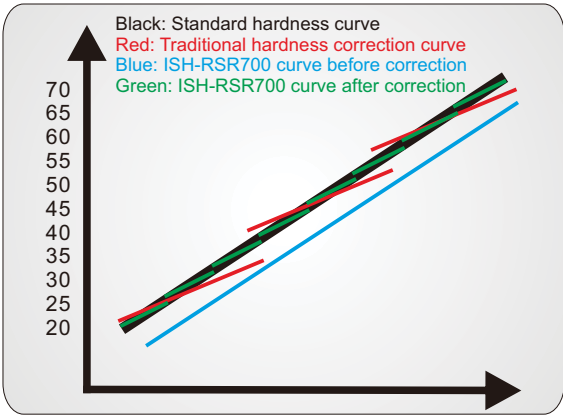
automatic testing



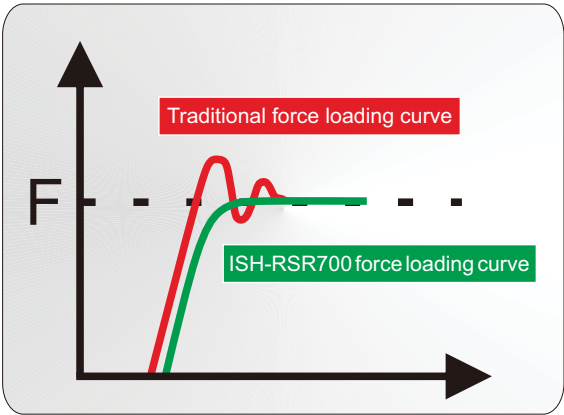
this display shows test force and indentation depth curve, shows the material property visually



Compared to the traditional three-section hardness correction,  
**ISH-RSR700** refines the hardness correction interval,  
makes it more accurate in hardness correction



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**

Hardness scale	with standard indenters: HRA, HRB, HRC, HRD, HRF, HRG, HR15N/T, HR30N/T, HR45N/T
	with optional indenters: HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15W/X/Y, HR30W/X/Y, HR45W/X/Y
LCD screen	scale, test value, test force and depth curve, test force, temperature and humidity, dwell time, tolerance with judgment, etc
Conversion scale	HR, HB, HK, HV
Preliminary test force	29.4N/3kgf for Superficial Rockwell 98N/10kgf for Rockwell
Total test force	147.1N/15kgf, 294.2N/30kgf, 441.3N/45kgf, 588N/60kgf, 980N/100kgf, 1471N/150kgf
Stage ascend and decline	automatic
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	200mm
Max. workpiece depth	150mm (from the center of indenter to the main body)
Power supply	220V, 50/60Hz**
Dimension	600×270×900mm
Weight	100kg

**STANDARD DELIVERY**

Main unit	1 pc
Big flat anvil	1 pc
Ø60mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
Ø1.5875mm carbide ball indenter	1 pc
Hardness test block HRB88~95	1 pc
Hardness test block HRC60~65	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block 78~88HR15N	1 pc
Hardness test block 55~73HR30N	1 pc
Hardness test block 57~69HR30T	1 pc

**OPTIONAL ACCESSORY**

Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1
Hardness test block 78~88HR15N	ISH-BHR15N1
Hardness test block 55~73HR30N	ISH-BHR30N1
Hardness test block 57~69HR30T	ISH-BHR30T1
Foot switch	ISH-RSR700-FS
Desk	HDT-DESK

\*\* Add “-U” on code No. when power supply is 110V, 50/60Hz