

**Automatic Lifting System Twin Rockwell Hardness Tester with Touch Screen**

iRock-439T Automatic twin Rockwell hardness tester with a good aesthetic aspect, complete functions, easy operation, intuitive display and good reliability. It is a high-tech product combining the mechanic and electric features, which is suitable to test Rockwell and superficial Rockwell hardness test.

**Main Features:**

1. Support Rockwell and superficial Rockwell scales;
2. Support hardness conversion;
3. Touch screen dynamically display the working state of the lifting screw and the indenter;
4. Press operation for the test table, fast rising or declining;
5. One key to complete the rising of the specimen, loading dwell and unloading of the indenter, displaying of the hardness value, homing of the test table;
6. With data storage function, automatic calculation of the maximum, minimum, average of the hardness value, the test results can be printed for output, and with a RS232 interface users can connect it to the computer for output.

**Application Range:**

Suitable for quenched steel, tempered steel, annealed steel, cold and hard casting, malleable cast iron, hard alloy steel, aluminum alloy, copper alloy, bearing steel etc. Also suitable for surface quenched steel, surface heat treating and chemical treating materials, sheet, zinc layers, chrome layers, tin layers etc.

**Technical Specification:**

Model	iRock-439T
Initial Test Force	3kgf (29.42N), 10kgf (98.07N)
Total Test Force	15kgf (147.1N), 30kgf (294.2N), 45kgf (441.3N), 60kgf (558.4N), 100kgf (980.7N), 150kgf (1471N)
Indenter	Diamond Rockwell Indenter, $\phi$ 1.588mmBall Indenter
Loading Method	Automatic (Loading/Dwell/Unloading)
Automatic Test Table	Automatic lifting system, One Key to Complete
Hardness Reading	Touch Screen
Test Scale	HRA, HRD, HRC, HRF, HRB, HRG, HRH, HRE, HRK, HRL, HRM, HRP, HRR, HRS, HRV HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HBW
Data Output	RS232 Interface
Resolution	0.1HR
Dwell Time	0~99s
Vertical Space	320mm
Throat	150mm
Power Supply	AC220V/50Hz/1Ph
Execute Standard	ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2
Dimension	535×330×890mm, Packing Dimension: 820×460×1170mm
Weight	Net Weight: 80kg, Gross Weight: 100kg

**Packing List:**

Instrument Main Body	1 set	Diamond Rockwell Indenter	1 pc
$\phi$ 1.588mmBall Indenter	1 pc	Middle Plane Test Table	1 pc
Large Plane Test Table	1 pc	V-shaped Test Table	1 pc
Hardness Block 60~70 HRC	1 pc	Hardness Block 20~30 HRC	1 pc
Hardness Block 80~100 HRB	1 pc	Hardness Block70~85 HR30T	1 pc
Hardness Block 65~80 HR30N	1 pc	Fuse 2A	2 pcs
Power Cable	1 pc	Anti-dust Cover	1 pc
Usage Instruction Manual	1 copy		