

Automatic Rockwell & Superficial Hardness Tester

SHR-145AN**+ Introduction**

- Motor driving lifting mechanism make the testing more easily. Just press "START" key once, whole process will be finished automatically. No matter the size of the sample, the position of the sample, the distance between the indenter and sample surface. The sample will be auto-lifted to approach the indenter and finishing testing automatically.
- More testing precision than handle wheel lifting type machine which effected by human factors.
- Integrated casting body with more wide iron basement leads to more stability.

+ Features

- Twin tester--Regular Rockwell & Rockwell Superficial hardness for metal and plastic material.
- Horizontal Protrudent Indenter Design, suitable also for internal and external testing.
- Testing on Surfaces difficult to reach. Testing internal surface of rings and tubes with diameters over 23mm.
- Testing force is set automatically according testing scale.
- Provided with many features such as high measuring precision, wide measuring range with 30 Rockwell scales.
- The tester is suitable for testing of carbon steel, alloy steel, cast iron, non ferrous metal.
- Measuring results digitally displaying and can be printed, or transmitted to external computer automatically by USB or RS-232 data output port.
- Test value can be converted to the value of HB, HV, HK and σ_b value.
- Curved surface correcting automatically.
- The tester meeting all the following standard such as ISO 6508-2, ASTM E18.

**+ Specifications**

Product Name	Automatic Rockwell & Superficial Hardness Tester
Model	SHR-145AN
Code#	811-358
Preliminary Test Force	29.4Nf(3kgf),98.1N (10kgf)
Total Test Force	147.1N(15kgf), 294.3N(30kgf),441.3N(45kgf),588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)
Rockwell Scales	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X;HR30X, HR45X,HR15Y, HR30Y, HR45Y; HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP,HRR, HRS, HRV
Dwell Time	Adjustable 2~60s
Resolution	0.1HR
Display	High definition backlight LCD
Operation	Menu selectable, Membrane keypad
Limitation	Upper/lower limits setting & alarming
Data Statistics	Avg., Max., Min., S, R available
Data Memory	Max 400 items of test results stored automatically
Data Output	RS-232 to micro printer, USB port to external PC
Testing Space	250mm in vertical, 150mm in horizontal
Dimension	710mm×210mm×880mm
Gross/Net Weight	155kg /125kg
Power Supply	AC, 220V/110V, 50~60Hz, 4A