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Fully Automatic Rockwell Hardness Tester

Auto Z Axis Load Cell!

Features:

- The test force is applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit replace traditional dead weights. The result is highly accurate measurements at all test loads up to 0.5%.
- Simple plug - and - play tech allows for much more quick and easy installation than traditional dead weight type machines.
- Automated Z-Axis. Just press START key once, entire test process will be finished automatically. regardless of 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 finish testing automatically.
- Higher precision than handle wheel lifting/dead weight type machines which can be affected by user interaction.
- Extended dolphin nose allows vertical test height of 11.8" and throat depth of 8.6".
- Built-in micro-printer.

Basic Functions:

- Twin tester—Regular Rockwell & Superficial Rockwell hardness for metal and plastic material.
- Horizontal dolphin nose Indenter is suitable also for internal and external testing.
- Testing on Surfaces difficult to reach. Testing internal surface of rings and tubes.
- 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.
- Automatic testing cycle: Lifting of part, pre-loading, loading, dwell, unloading, results will be finished automatically.
- Measuring results digitally displayed and can be printed, or transmitted to external computer automatically via USB port.
- Test HR value can be converted to the value of HB, HV, HK and ob value.
- The tester meets the following standards: ISO 6508-2, ASTM E18

Options:

- NIST/ASTM certified test blocks, penetrators and kits are available. Please refer to pages 48-52.

**PLEASE CONTACT US
FOR DETAILS.**

Included Accessories:

- Standard hardness block for A scale
- Standard hardness block for B scale
- Standard hardness block for C scale (3)
- Standard hardness block for 30N scale
- Standard hardness block for 30T scale
- Ball indenter (1/16")
- 120° cone diamond indenter
- Mounting screws for indenter (2)
- Flat anvil
- "V" shape anvil
- Power supply cord
- Screwdriver for indenter mounting
- Dust cover

Parameters:

- Preload: 29.4N (3kgf), 98.1N (10kgf)
- Total test force: 147.1N (15kgf), 294.3N (30kgf), 441.3N (45kgf), 588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)
- 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
- Load dwell duration: 2-50s, can be set and stored
- Resolution: 0.1HR
- Display: High definition backlight LCD
- Operation: Menu selectable, Membrane keypad
- Upper/lower limits setting & alarming
- Data statistics: Avg., Max., Min., S, R
- Curved surface auto correction
- Memory: Max 400 items of test results stored automatically
- Testing Capacity: 300mm (vertical), 220mm (horizontal)
- Dimensions: 690mm x 280mm x 860mm
- Power supply: AC, 220V/110V, 50/60Hz, 4A (convertible)
- Net weight: 86 kg (190lbs)
- Gross weight: 120kg (265 lbs)



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