

Advanced Digital Rockwell / Rockwell Superficial Hardness

Tester (Twin type tester)

(Model: CHR3200)



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 33mm. (Min dia.15mm using a goose neck)
- Can be used directly to measure Rockwell hardness for metal and plastic material.
- 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, and engineering plastic etc.
- Automatic load cycle. The loading, dwell, unloading process of the main test force are controlled exactly to meet standard.
- 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 transformed to the value of HB, HV, HLD, HK and σ_b value.
- The tester meeting the following standards such as ISO 6508-2, ASTM E18.



- Preload: 3kgf (29.4N) , 10kgf (98.1N)
- Total test force: 15kgf (147.1N), 30kgf (294.3N), 45kgf (441.3N), 60kgf (588.4N), 100kgf (980.7N), 150kgf (1471N)
- Scales: A, B, C, D, E, F, G, H, K, L, M, P, R, S, V, 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
- Load dwell duration: 2s~50s, can be set and stored
- Resolution: 0.1HR
- Display: High definition backlight LCD
- Operation: Menu selectable, Membrane keypad



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- Upper/lower limits setting & alarming
- Data statistics: Avg., Max., Min., S, R available

- Curved surface correcting automatically
- Memory: Max 400 items of test results stored automatically
- Data output: USB port to external PC, RS-232 to micro printer
- Testing space: 260mm in vertical, 150mm in horizontal
- Dimensions: 710mm×210mm×830mm
- Power supply: AC, 220V/110V, 50~60Hz, 4A
- Net weight: 95kg

Standard configuration:

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|---------------------------------------|---|
| Host machine | 1 |
| Standard hardness block for A scale | 1 |
| Standard hardness block for B scale | 1 |
| Standard hardness block for C scale | 1 |
| Standard hardness block for 30N scale | 1 |
| Standard hardness block for 30T scale | 1 |
| ball indenter (1/16") | 1 |
| 120° cone diamond indenter | 1 |
| Mounting screws for indenter | 1 |
| Flat anvil | 1 |
| "V" shape anvil | 1 |
| Power supply wire | 1 |
| Screwdriver for indenter mounting | 1 |
| Dust cover | 1 |