

# 3824 HARDNESS TESTER

## DIGITAL/SUPERFICIAL ROCKWELL TESTER WITH AUTO Z AXIS AND LOAD CELL



### METROLOGY SOLUTIONS

This Digital Rockwell / Superficial Rockwell hardness tester with fully automated load/unload procedures affords highly sensitive and accurate readings. 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%. The Digital Rockwell Hardness tester offers programmable scale conversions, dwell times, statistical capabilities and test counter. Capable of testing in all of the regular Rockwell hardness scales.

#### FEATURES

- Automated Z-Axis - just press START key, entire test process is finished automatically
- Dolphin Nose Design: vertical height 11.8" & throat depth 8.6"
- Tests carbon steel, alloy steel, cast iron and non-ferrous metals
- Suitable for internal and external testing
- Built-In Micro-Printer
- Wide range with 30 Rockwell Scales
- Touch screen control
- USB Output
- PC based software included

#### Digital Rockwell/Superficial Rockwell Hardness Tester

Cat. No.	EDP	Description
3824	67607	Digital Rockwell/Superficial Rockwell Hardness Tester

A broad range of test blocks and other hardness tester accessories are available. See the Starrett full line catalog for a complete list.



#### Accessories Included

- Certified Hardness Test Blocks for B, C, 30N and 30T scales
- Ball Indenter (1/16")
- 120° Cone Diamond Indenter with mounting screws
- Flat Anvil
- "V" shape Anvil
- Screwdriver for indenter mounting
- Dust Cover

#### Specifications

Hardness 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
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)
Dwell Time	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	Yes
Data Statistics	Avg., Max., Min., S, R
Curved Surface Auto Correction	Yes
Memory	Max 400 items of test results stored automatically
Testing Capacity	vertical 11.8" (300mm), depth 8.6" (220mm)
Power Supply	AC, 220V/110V, 50~60Hz, 4A (convertible)
Dimensions	28 x 11 x 34" (690mm x 280mm x 860mm)
Weight (Net/Shipping)	285lbs / 350lbs