

# 3823 HARDNESS TESTER

## DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL TESTER

### WITH LOAD CELL

# Starrett®

## METROLOGY SOLUTIONS

The 3823 test force is applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit that replace traditional dead weights. The result is highly accurate hardness test measurements at all test loads up to 0.5%. Simple plug - and - play technology allows for much more quick and easy installation than traditional dead weight type machines. Extended dolphin nose allows vertical hardness test height of 11.8" and throat depth of 8.6". Design includes a built-in Micro-Printer.

### FEATURES

- Horizontal Dolphin Nose Indenter is suitable for internal and external hardness testing
- Rockwell hardness testing on surfaces difficult to reach and Hardness Testing internal surface of rings and tubes
- Provided with many features such as high measuring precision, wide measuring range with 30 Rockwell scales
- The Rockwell hardness tester is suitable for testing of carbon steel, alloy steel, cast iron, non-ferrous metals
- Measuring results digitally displayed and can be printed with its built-in thermal Mini-Printer
- Test Rockwell value can be converted to the value of HB, HV, HK and  $\sigma_b$  value

Digital Rockwell/Superficial Rockwell Hardness Tester		
Cat. No.	EDP	Description
3823	13017	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 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

Precoid	29.4N (3kg), 98.1N (10kg)
Total Test Force	147.1N(15kg), 294.3N(30kg), 441.3N(45kg), 588.4N (60kg), 686.7N (100kg), 1471N (150kg)
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	400 items of test results stored automatically
Testing Capacity	vertical 11.8" (300mm), depth 8.6" (220mm)
Dimensions	26 x 11 x 34" (660mm x 280mm x 860mm)
Power Supply	AC, 220W/110V, 50-60Hz, 4A (convertible)
Weight (Net/Shipping)	255lbs / 350lbs
Scales Range	HR15N, HR30N, HR45N, HR15S, HR30S, HR45S, HR15H, HR30H, HR45H, HR15X, HR30X, HR45X, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV