



Hardness Testers Surface Testers



3814 Analogue Bench Hardness Tester

The 3814 Hardness Tester provides reliable Rockwell Hardness values on all types of metal and alloys, hard or soft, and in many shapes. This reliable bench hardness tester has a high quality casting, is ergonomically designed for easy operation and is engineered to ensure accurate results.

It is an ideal basic hardness solution, economically priced to suit a variety of lab, workshop, toolroom and inspection department applications. The 3814 conforms to ASTM E-18 standard.

The tester is furnished with a diamond indenter, a 1.6mm (1/16") ball indenter, three certified test blocks, four test tables – 149mm (5.87") and 63.5mm (2.5") flat anvils, 15.9mm (5/8") spot anvil and a standard vee anvil – and an accessory case.

Features

- Ability to handle Rockwell Scales A through H and K
- Stable cast iron construction
- Ideal basic hardness testing for many typical applications



Specifications for 3814 Analogue Bench Hardness Tester

Minor Load	10Kgf
Major Load	A: 60Kgf, B: 100Kgf, C: 150Kgf
Test Force Application	(Dead weight applies test force)
Test Force Control	Hydraulic Dashpot System
Results Display	Analogue – Dial Gauge
Throat Depth	168mm (6.6")
Maximum Test Height	169.9mm (6.69") **
Unit Height/Width/Depth	762 x 216 x 508mm (30 x 8.5 x 20")
Unit Weight	121kg (267lb)

3814 Analogue Bench Hardness Tester

Description	Cat. No.	EDP
Analogue Hardness Tester	3814*	67754
Hardness Tester Stand	PT06145*	72519

Accessories* for 3814 Analogue Bench Hardness Tester

"C" Regular	PT05245*	67944
1.6mm (1/16") Ball Unit	PT05249*	67948
RA Test Block (Rockwell A Scale 80)	PT05069*	67897
RB Test Block (Rockwell B Scale 90)	PT05059*	67888
RC Test Block (Rockwell C Scale 63)	PT05050*	67879
Master Block Set, Rockwell C Scale	PT05272*	67969

* Not Stocked

** Requires bench alteration.



3815 Twin Analogue Bench Hardness Tester

Measures Rockwell & Superficial Rockwell Hardness

The Starrett 3815 Twin Analogue Hardness Tester features state-of-the-art design and rugged construction. It is engineered to provide highly sensitive, accurate readings and excellent repeatability in all Rockwell and Superficial Rockwell hardness scales.

The 3815 is ideal for heat treatment facilities, tool rooms, workshops, laboratories and inspection labs.

Features

- Direct analogue dial reading
- Advanced design provides Rockwell and Rockwell Superficial testing
- Easy to operate
- Engineered to provide highly sensitive and accurate readings
- Conforms to ASTM E-18
- Tests Rockwell Scales: A, B, C, D, E, F, G, H, K, L, M
- Tests Superficial Rockwell Scales: HR15N, HR15T, HR30N, HR30T, HR45N, HR45Ts
- Includes a diamond conical indenter, 1/16" ball indenter, HRC, HRB, HR15N, HR30N and HR45T test blocks, 5.87" (150mm) test table, 2.5" (63mm) flat anvil, standard vee anvil, accessory case and dust cover
- A broad range of test blocks and other hardness tester accessories are available.



Specifications	
Minor Load	10 Kgf
Minor Load – Superficial	3 Kgf
Major Load	60/100/150 Kgf
Major Load – Superficial	15/30/45 Kgf
Test Force Application	Dead Weight
Test Force Control	Manual
Results Display	Dual Scale Dial
Vertical Capacity	15.2mm (6.0")
Throat Depth	14mm (5.5")
Height	66mm (26.0")
Width	46.2mm (18.2")
Depth	23.9mm (9.4")
Weight	113kg (250 lbs)

3815 Twin Analogue Bench Hardness Tester		
Description	Cat. No.	EDP
3815 Bench Hardness Tester, diamond conical and 1.60mm (1/16") ball indentors, HRC, HRB, HR15N, HR30N and HR45T test blocks, 150mm (5.87") test table, 64mm (2.5") flat anvil, standard vee anvil, accessory case and dust cover	3815*	12800
Hardness Tester Stand	PT06145*	72519

* Not Stocked



Includes base instrument, impact device D, calibrated test block, custom carry case, cleaning brush and operation manual



3811A Compact Hardness Tester

The Starrett 3811A is a state of the art, digital portable hardness tester, designed to test the hardness of large, hard metal parts.

The 3811A combines fast test speeds with ample memory and output. It performs tests that easily convert to most popular hardness scales such as Rockwell, Brinell, Vickers and Shore.

This compact hardness tester is loaded with useful functions usually found only on high priced models.

Features

- Leeb style tester designed for large, hard parts – load the impact body and place the impact device on your test piece
- Easy to use keypad operation – push the button to begin testing and obtain reading
- Auto identification of impact device
- Large LCD display with back light
- USB output
- Automatic conversions to Rockwell, Brinell, Vickers and Shore
- Automatic mean value as well as Min & Max values
- Uses two AA alkaline batteries with low power indicator
- Memory capacity (100 groups)
- Optional impact devices and special support rings

Specifications

- Accuracy: +/- 0.5% (referred to L=800)
- Repeatability accuracy: +/- 4L units (L=Leeb)
- Measuring range: 200-960 HL
- For steel & cast steel, alloy tool steel, stainless steel, grey cast iron, spheroidal iron, cast aluminum, brass, bronze, wrought copper alloy
- Tool steel should be about 25mm (1") thick solid material or larger
- Operating temperature: -15-40° / 5-104°F
- Dimensions: 150 x 74 x 32mm (5.96 x 2.938 x 1.270")
- Weight: 245g (8.6 oz.)

3811A Hardness Tester & Accessories

Cat. No.	EDP	Description
3811A	69881	Digital portable hardness tester with impact device D, calibrated test block, cleaning brush and carry case
HT-1800-110*	20940	D+15 Impact Device
HT-1800-115*	20941	DL Impact Device
HT-1800-125*	20942	G Impact Device
HT-1800-130*	20943	C Impact Device
HT-1800-120*	20944	DC Impact Device
HT-1800-100*	20945	Replacement D Impact Device
HT-1800-102*	20946	Replacement Cable For All Impact Devices
HT-2500-105*	20947	Replacement Impact Body
HT-1300-01*	20948	Leeb D Test Block
HT-1100G-01*	20949	Leeb G Test Block

* Not Stocked



3805A Electronic Durometer

The 3805A is a lightweight, ergonomically designed, reasonably priced durometer engineered to perform at the highest level of accuracy.

Capable of measuring hardness in Shore A values, the most popular scale, the portable durometer is ideal for fast, convenient testing of rubber, PVC, leathers, vinyl, acrylic and other similar materials. Contact is made with a 35° blunt point, ensuring superior accuracy.

Features

- Accurate and repetitive deviation of 20-90 HA ± 1 grade
- Resolution of .1HA
- Measuring range of 0-100HA
- Conforms to ASTM D-2240, ISO 7619 standards
- Large, easy-to-read LCD display
- Automatic Off
- Ability to allow averaging and to lock in peak value
- Weighs only 233 grams (8.2 ounces)
- Compact size of 163 x 65 x 28mm (6.40 x 2.56 x 1.12")
- 4 AAA batteries, supplied with the tester
- Supplied with rubber test block RBR-63



Inspecting rubber plumbing hose

3805A Digital Durometer

Description	Cat. No.	EDP
Durometer, in Fitted Case	3805A	12265
Accessories for 3805A Digital Durometer		
Rubber Test Block, Shore A 27-30, Red	RBR-30*	68197
Rubber Test Block, Shore A 61-63, Clear	RBC-63*	68198
Rubber Test Block, Shore A 90-94, Black	RBB-94*	68199
Set of 3 Blocks (1 ea: RBR-30, RBC-63, RBB-94)	SRB-3*	68200

* Not Stocked