



Metaltester

Complies with : ASTM 2240 91, DIN 53505



When Portability and Dependability count.....

Simply select scale and push the relevant pad.

Fully automatic! Operated by a single action!

Quick and accurate measurement of Hardness in six simultaneous reading scales (see below).

Ideal for thin surfaces up to 0.08 mm thick

Features

- For measuring finished housing or machined surfaces:
- Automatic calculation of average among series of results
- Connection to printer
- Programming of tolerance and statistics
- Adjustment of load time
- Acoustic signal and luminous signal to indicate the correct usage of the probe
- Rechargeable battery
- Various accessories for tests on any surface
- A Single Universal Probe: ideal for thin metals and for forging & casting parts
- Can be used to test most metals including : Chromium Surfaces, Nitrided Surfaces, Aluminium, Brass, Copper, Bronze, and hard or soft Steels regardless of thickness
- A diamond indenter assures accurate hardness on all surfaces
- Three Interchangeable test heads enable the user to perform tests on a variety of different shaped samples or finished parts.
- A stand is available to facilitate testing of small and difficult to handle parts
- The Metaltester eliminates all friction related to inconsistencies inherent in deadweight and inertial load testers parts
- The narrow, extended head is ideal to measure surfaces that are not easily accessible, such as the inner part of castings.
- Breaking resistance kg mm².

Operation

Simply select the desired hardness scale and then place the nose of the tests head on the test surface and apply a small amount of pressure to apply the test load. When the Audio signal is heard, the test is completed and the results are instantaneously displayed. The Metaltester is then ready to be used again.

Applications

- The best instrument to test metal films and for hardness tests on very thin surfaces such as superficial hardness treatments, chromium filling material, layer of metal filling material.
- Finished products such as aeroplane wings, medical products, jewels, surgical tools.



BAMR (Pty) Ltd, PO Box 23973, Claremont, 7735, South Africa
 Ph : 27 (0)21 683 2100, Fax : 27 (0)21 674 1485
 Email : sales@bamr.co.za Web : www.bamr.co.za

Shipping List

Hardness Test Unit	Diamond Indenter
Three Interchangeable test Heads	Microprocessor Based Controller
RS232 Output	Rugged carrying case
A stand for testing small parts	Micro Printer (optional)

Technical Specifications

Principle of Operation	Load with electronic Control
Field of Application	For all Metals
Digital scale Readout (Other Scales on request)	HRC - Rockwell C HRB - Rockwell B HB5 - Brinell 5 HB30 - Brinell 30 HV - Vickers R - Tensile Module N mm ² HR15N - Rockwell HR15N
Display Resolution	0.1 HRC
Repeatability	+/-3% on reference Test Blocks
Memory of Test Results	500 tests
Data Transmission	RS232 C
Statistics of Results	Mean of Results
Display	LCD
Printer	Portable 20 column thermal paper Rechargeable Battery (15 x 10 x 4 cm)
Power Supply	1 rechargeable battery
Operating Time	1000 tests
Automatic Shut Off	After 2 min. Reactivate with Button
Dimension of Probe	Body : Diam : 40 x 90 mm Base : Diam : 20 mm
Dimensions of Electronic Box	160 x 90 x 50 mm
Weight	300 g Probe 980 g Digital Box 2.5 kg with Case
Dimension of case	30 x 20 x 15 cm

Field of Application

