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LEEB PORTABLE HARDNESS TESTER - HARTIP 3000 PLUS



STANDARDS

ASTM A956

APPLICATIONS

Leeb Portable Hardness Tester - Hartip 3000+



Following the Rebound Leeb's principle, the latest upgraded model of our Hartip 3000 Plus with color TFT LCD display, offers an excellent price/quality ratio in our range of rebound-type portable hardness testers. This new generation of our popular Hartip 3000 model comes with a new patented sensor technology that adds higher accuracy to the previous models.

With this technology, all impact devices (probes) do not need to set up the impact direction. HARTIP 3000+ works with digital impact device. The measuring values can be downloaded to PC and printer wirelessly or via cable. The HARTIP 3000+ also can be powered by USB without battery by PC cable. These models are efficiently and fully supported by our in-house technical & service department.



Rebound-type hardness testers cover a broad range of applications in industry and supply the required test results, in almost every application, where fixed hardness testers cannot be used. These portable hardness testers conform to ASTM A956 standard. The minimum requirements that have to be met in order to achieve accuracy with Hartip 3000, are minimum

thickness of 3/8" (10mm) and weight of 11lb (5kg) for the samples. Rebound-type hardness testers are suitable for:

1. Hardness testing of large and heavy objects
2. In production line of mass produced components
3. Materials identification in stores and warehouses
4. In locations with difficult access, or in confined spaces

FEATURES

Leeb Portable Hardness Tester - Hartip 3000+ Features:

- Menu operation
- Large Color TFT LCD display 2.8" 320 X 240
- USB/RS 232 interface (Bluetooth Optional)for direct data transfer to PC or Printer
- Optional Micro printer
- Automatic mean value display, in addition to standard deviation, min and max, number of readings
- Automatic conversion to Brinell, Rockwell, Vickers, and Shore
- Storage capacity: 960 items in 8 memory sections
- Accommodation for all impact devices: D, DC, D + 15, G, C, E, DL
- Regular or rechargeable 1.5V AA batteries / 1.2V Nickel-Hydrogen Rechargeable Battery / USB
- Language selections
- Data management software
- High accuracy $\pm 0.3\%$ @ HL=800, Repeatability: $\pm 2HL$
- Extended working time: 40 Hours
- Very easy to use
- Competitive pricing

TECHNICAL SPECIFICATIONS

Leeb Portable Hardness Tester - Hartip 3000+ Technical Specifications:

Accuracy	±0.3% @ HL=800, Repeatability: ±2HL
Measuring range	HL100-960 / HRC0.9-79.2 / HRB1.0-140 / HB1-1878 / HV1-1698 / HS0.5-1370 / HRA1.0-88.5 / MPa(Rm)1-6599N/Mm2
Materials	Wrought and cast steel; Alloy tool steel, Stainless steel, Gray cast iron, Nodular cast iron, Cast Aluminum, Brass, Bronze, Wrought copper alloy
Batteries	4X 1.5V AA batteries / 4X 1.2V Nickel-Hydrogen Rechargeable Battery / USB Power Supply
Operating temperature	-10 to +45°C (14 to 113°F)
Dimensions	195 x 84 x 38mm (7.7 x 3.3 x 1.5 in.)
Weight	Basic unit 550g (1.21 lbs)



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Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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