MarMonix

Promote your assessment

Product Datasheet

MMH-100

Portable Metal hardness tester

Overview:

MMH-100 is a portable device which could be used for a vast range of metals in different industries. The small dimensions and the light weight of the tester have made it possible for the user to do the measurement while holding the instrument with one hand.

The device measures the hardness value of metals using the Leeb rebound test method. The device can convert the Leeb number into other hardness scales such as Brinell (HB), Vickers (HV), Rockwell C (HRC-C) and Rockwell B (HRB-B). The measurement and the calculations are done in less than one second. The device saves the minimum, maximum and average hardness values for 9 consecutive tests. The tester is equipped with an LCD display and rechargeable Li-Polymer batteries and is calibrated by the standard reference block which is provided as an accessory of the device itself. It is applicable for hardness measurement of a wide range of metals including cast steel, Cold Work Tool Steel, ductile cast iron, grey cast iron, aluminum, brass, and copper

Features:

- Easy usage and calibration
- Available in two models with two different impacts
- Removable impact body for tight spots
- Non-destructive testing (NDT)
- Covered by a rugged polycarbonate case
- Electromagnetic noise proof
- Auto power off

Package includes:
- Main meter
- Reference calibration block
- User's manual
- Concave and convex caps
- Adaptor
- Brush
- Hard carrying case

Parameter	Values	
Measuring range	900 - 150 HLD	
Accuracy (typical)	±4HLD (0.5% At 800HLD)	
Differentiating capacity	±1HLD	
Other measurement ranges	80-647HB / 80-940HV / 41-99.5HRB / 0-68.0HRC	
Dimensions	170mm (height) x 60 (length) x 30 (width)	
Weight	200 g	
Power supply	3.7v Li-Polymer battery supplying sufficient power for 5000 tests	
Impact bodies	1.5-g impact body	2.5-g impact body
Min. work piece thickness	10 mm (flat surfaces)	22 mm (flat surfaces)
	6 mm (curved surfaces)	15 mm (curved surfaces)
Min. work piece weight	80 gr	200 gr
Suitable polishing	Sandpaper 280 or finer	Sandpaper 180 or finer
Operation	most suitable for testing of thin and light metals	most suitable for testing of thick and heavy metals
In order to measure the hardness value of lighter and thinner metal parts, they should be		