

PORTABLE LEEB HARDNESS TESTER

METZ HT – 2



The Leeb hardness testing, otherwise called as Leeb Rebound Hardness Test (LRHT), is considered as one of the four commonly used methods to test the hardness of the metal. It is a type of non-destructive testing used to inspect large sized workpieces weighing above 1 kg. It also measures the coefficient of restitution. Unlike other stationary traditional methods including Rockwell, Brinell, and Vickers which were implemented only in the laboratories or testing areas, the Leeb method proves to be portable by achieving high testing rates at a reduced cost. The hardness tester measures the metal hardness in 5 different hardness scales which are Rockwell, Vickers, Leeb, Brinell and Shore. In addition, the Rockwell measurement also makes a distinction between Rockwell B and C. The abbreviations for the above hardness scales are: HRB, HRC, HV, HB, HS, HL. It can be used on die cavity of molds, bearings and other mass produced parts on production line, failure analysis of pressure vessel, steam generator and other equipment, heavy work piece, installed machinery and permanently assembled parts, testing surface of a small hollow space, material identification in the warehouse of metallic materials, rapid testing in large range and multimeasuring areas for large-scale work piece.



Product Features: –

- Full metal shell design, sturdy, portable, high reliability;
- Test at any angle, even upside down;
- Has a starting value calibration function, ensure the data is applicable and accurate in different codes & standards.
- Seven impact devices are available for special application, automatically identify the types of impact devices.
- User calibration function.
- Battery information indicates the rest capacity of the battery and the charge status.
- Has the function of automatic alarm, pre-set tolerance limit, beyond the range has automatic alarm, especially suitable for batch testing.
- Menu operation, information rich, intuitive, the realization of arbitrary switching material and hardness system's key type, simple and convenient;
- Excellent after-sale service system for high quality products—two years warranty and all life maintenance. Easy to operate.
- Narrow space also available to use.
- Support OEM service.
- High price performance

Technical Specification:

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|---------------------|---|
| Measuring Materials | Steel & cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminium alloy, copper zinc alloys (brass), copper and tin alloy, copper (bronze), forged steel |
| Measuring Range | HLD(170–960), HB(19–683), HV(80–1042), HS(30.6–102.6), HRA(59.1–88), HRB(13.5–101.7), HRC(17.9–69.5) |
| Indication Error | ± 6 HLD |
| Measuring Direction | 360° |
| Hardness Scale | HL, HB, HRC, HRA, HV, HS |
| Display | 128*64 digital matrix LCD |
| Data Memory | Max 600 groups (relative to impact times 1–32 adjustable) |
| Power | AA battery 2 pcs (working time 200 hours if backlight off) |
| Working Temperature | –20°C – 55°C |
| Size | 125 x 68 x 24mm |
| Weight | 0.4 kg |



Packing List:

| ITEM | QTY |
|----------------------------|--------|
| HT – 2 Host | 1 Nos. |
| Standard 'D' impact device | 1 Nos. |
| Brush | 1 Nos. |
| 'HLD' scale hardness block | 1 Nos. |
| User Manual | 1 Nos. |

