# Leeb Hardness Tester

Enhanced Type

HM-6580

Separated Design,
Adapt to measurement
of small space.

HM-6560

Integrated Design
Easy Carrying
Greater Mobility

HM-6561

Model:

HM-6580 (Enhanced Type)
HM-6560 (Functional Type, Separate)
HM-6561 (Functional Type, Integral)

## Applications

Applicable to Die cavity of molds, Inspection of bearing and other mass produced parts on a production line, Failure analysis of pressure vessel, steam generator and other equipment, Inspection of installed machinery, permanent parts of assembled systems and heavy work pieces, Testing surface of a small hollow space, etc.

## Measuring and Converting Ranges

| Material | Converting Ranges | | | | | | |
|---|---|---|---|---|---|---|---|
| | HL | HRC | HRB | HB | | HS | HV |
| | | | | 30D² | 10D² | | |
| Steel & Cast St. | 300~900 | 20.0~68.0 | 38.4~99.5 | 80~647 | | 32.5~99.5 | 80~940 |
| C.W. Tool Steel | 300~840 | 20.4~67.1 | | | | | 80~898 |
| ST. STEEL | 300~800 | 19.6~62.4 | 46.5~101.7 | 85~655 | | | 80~802 |
| Gray Cast Iron | 360~650 | | | 93~334 | | | |
| Nodular Cast Iron | 400~660 | | | 131~387 | | | |
| Cast Aluminum | 174~560 | | | | 20~159 | | |
| Brass | 200~550 | | 13.5~95.3 | | 40~173 | | |
| Bronze | 300~700 | | | | 60~290 | | |
| Copper | 200~690 | | | | 45~315 | | |

## Features

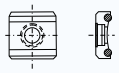
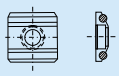
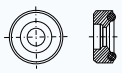
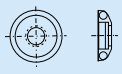
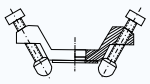
* HM-6580 applies solid aluminum alloy housing, while HM-6560/HM-6561 applies light weight ABS-plastic housing.
* Palm size for narrow space.
* Test at any angle, even upside down.
* Hardness scales HRB, HRC, HV, HB, HS,HL.
* Able to store 50 groups including single measured value, impact direction, material and hardness scale etc.
* User recalibration function allowed.
* Manual or automatic power off.
* Low battery indication.
* Use RS-232 data output to connect with PC.
* Provide Bluetooth data output choice.

ติดต่อบริษัท นีโอนิคส์ จำกัด
Tel: 098-479-5684 หรือ 061-8268939
E-mail: sale@neonics.co.th เว็บไซต์ www.neonics.biz

## Specifications & Accessories

| Model | | HM-6580 | HM-6560 | HM-6561 |
|---|---|---|---|---|
| Display | | LCD | | |
| Materials | | 9 different common materials ( Steel & Cast Steel, C. W. Tool Steel, Stainless Steel, | | |
| | | Gray Cast Iron, Nodular Cast Iron, Cast Aluminum, Brass, Bronze, Copper ) | | |
| Measuring Range | | 170~960 (HLD) | 200~900 (HLD) | |
| Accuracy | | Display Error ±0.8% | | |
| Repeatability | | ±0.6 % | ±0.8 % | |
| Conversion | | HL-HRC-HRB-HB-HV-HSD | | |
| Memory | | 50 Data Can Be Stored And Re-readable | | |
| Impact device | | Probe D, Weight: 75 g | | |
| Storage Temperature | | -30 ~ 60 °C | | |
| Operating | Temperature | -10 ~ 50 °C | | |
| Conditions | Humidity | <90 %RH | | |
| Power Supply | | 2x1.5V AA (UM-3) Battery | 4x1.5V AAA (UM-4) Battery | 2x1.5V AAA (UM-4) Battery |
| Dimensions | | 130x76x32mm | 120x62x30mm | 146x65x36mm |
| Weight | | 340 g (Not Including Batteries) | 164 g (Not Including Batteries) | 130 g (Not Including Batteries) |
| Standard Accessories | | Main Unit, Standard Test Block, Small Support Ring, Carrying Case (B09), Manual Book, Cleaning Brush | | |
| | | Probe With Cable | | Probe Bluit-in |
| Optional Accessories | | Support Rings Set, Impact Body, RS-232C Data Cable with Software, Bluetooth Data Adapter with Software | | |

## Supporting Ring Set

| NO. | Model | Sketch of Supporting Ring | Remarks |
|---|---|---|---|
| 1 | Z10-15 |  | For Testing Cylindrical Outside Surface R10~R15 |
| 2 | Z14.5-30 | | For Testing Cylindrical Outside Surface R14. 5~R30 |
| 3 | Z25-50 | | For Testing Cylindrical Outside Surface R25~R50 |
| 4 | HZ11-13 |  | For Testing Cylindrical Outside Surface R11~R13 |
| 5 | HZ12.5-17 | | For Testing Cylindrical Outside Surface R12. 5~R17 |
| 6 | HZ16.5-30 | | For Testing Cylindrical Outside Surface R16. 5~R30 |
| 7 | K10-15 |  | For Testing Spherical Outside Surface SR10~SR15 |
| 8 | K14.5-30 | | For Testing Spherical Outside Surface SR14. 5~SR30 |
| 9 | HK11-13 |  | For Testing Spherical Outside Surface SR11~SR13 |
| 10 | HK12.5-17 | | For Testing Spherical Outside Surface SR12. 5~SR17 |
| 11 | HK16.5-30 | | For Testing Spherical Outside Surface SR16. 5~SR30 |
| 12 | UN |  | For testing cylindrical outside surface, radius adjustable R10~∞ |

ติดต่อบริษัท นีโอนิคส์ จำกัด
Tel: 098-479-5684 หรือ 061-8268939
E-mail: sale@neonics.co.th เว็บไซต์ www.neonics.biz