



MH180 Portable Hardness Tester

Wide measuring range suitable for most metals. Direct display of hardness values in HRB, HRC, HV, HB, HS & HL

Test at any angle

Simple handling and low test expenditure.

Standard Equipment:

- Main unit & impact device D
- Standard test block
- Cleaning brush
- Instruction manual
- Carrying case

Optional Accessories:

- Special support rings
- 7 impact device types
- Software & cable

Technical Specifications:

- Standard Impact Device: D
- Hardness Scale: HRB ~ HRC ~ HV ~ HB ~ HS ~ HL
- Error of displayed value: $\pm 6\text{HLD}$ ($760 \pm 30\text{HLD}$) / $\pm 10\text{HLD}$ ($530 \pm 40\text{HLD}$)
- Memory: 100 groups of data
- Output: RS232 to PC / Printer
- Min Workpiece Weight: 2 - 5 kg on firm support, 0.05 - 2kg with compact coupling
- Min Workpiece Thickness: 5mm with compact coupling
- Thk of Hardened Surface: 0.8mm minimum
- Continuous Working Time: 100 hrs (backlight off)
- Power Source: 2x AA batteries
- Overall Dimensions: 150 x 74 x 32mm
- Weight: 245g

Measurement range:

| Material | Scale | Impact Device | | | | | |
|------------------------------|-------|---------------|-----------|------------|-----------|------------|-----------|
| | | D/DC | D+15 | C | G | E | DL |
| Steel and cast steel | HRC | 20~68.5 | 19.3~67.9 | 20.0~69.5 | | 22.4~70.7 | 20.6~68.2 |
| | HRB | 38.4~99.6 | | | 47.7~99.9 | | 37.0~99.9 |
| | HB | 127-651 | 80~638 | 80~683 | 90~646 | 83~663 | 81~646 |
| | HV | 83~976 | 80~937 | 80~996 | | 84~1042 | 80~950 |
| | HS | 32.2~99.5 | 33.3~99.3 | 31.8~102.1 | | 35.8~102.6 | 30.6~96.8 |
| C.W. tool steel | HRC | 20.4~67.1 | 19.8~68.2 | 20.7~68.2 | | 22.6~70.2 | |
| | HV | 80~898 | 80~935 | 100~941 | | 82~1009 | |
| Stainless steel | HRB | 46.5~101.7 | | | | | |
| | HB | 85~655 | | | | | |
| | HV | 85~802 | | | | | |
| Grey cast iron | HB | 93-334 | | | | | |
| Nodular cast iron | HB | 131-387 | | | 127~364 | | |
| Cast aluminum | HB | 19~164 | | 23~210 | 32~168 | | |
| | HRB | 23.8~84.6 | | 22.7~85.0 | 23.8~85.5 | | |
| Brass (copper zinc alloy) | HB | 40~173 | | | | | |
| | HRB | 13.5~95.3 | | | | | |
| Bronze (copper al/tin alloy) | HB | 60~290 | | | | | |
| Wrought copper alloy | HB | 45~315 | | | | | |