



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
- Printer

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					