

MarMonix Digital Portable Hardness Tester with Printer

Model: MHT-720-DSP

WARRANTY
3 YEARS



Functions & Features

- High stability and precision
- With built-in thermal printer
- Rechargeable Li-ion battery and auto power-off function
- Direct calibrate on HL, HRC, HB, and freely switch to 8 different hardness scales
- Automatically identify 7 types of Impact devices for special application
- Test at any angle and direction, even upside down
- Conversion to tensile strength (U.T.S)
- PC Software for data transmission, analysis and measurement reports printing
- 3 years warranty and life-long services

Application Fields

- The bearings and other parts, heavy work-pieces, metal material, pressure vessel, failure analysis of turbine generator unit and equipment
- Mechanical or permanent assembly components have been installed, the test space is very narrow, requires the

Measuring Materials

- 10 types of metals: steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys, copper and tin alloy, copper, forged steel.

Measuring Conditions

- The weight of measuring object must be more than 2kg.
- The thickness must be more than 10mm.
- The surface roughness must be no less than 1.6μm.

Tips: If do not meet the above conditions, the measuring object should be laminated with steel substrate by coupling agents.

MarMonix MHT-720-DSP



Optional Probe and Accessories



Optional Impact Devices (Probes)



Supporting Rings

Technical Parameters

Model	MHT-720-D/S
Measuring Range	(170-960)HLD, (17.9-69.5)HRC, (19-683)HB, (80-1042)HV, (30.6-102.6)HS, (59.1-88)HRA, (13.5-101.7)HRB
Hardness parameter	HL, HRC, HRB, HRA, HRV, HS, HB, HV, HSD
Accuracy	±6HLD
Memory	600 groups
PC Connection	Available
Printer	Build-in High-speed Thermal Printer, Width for printer paper: 44.5±0.5mm
Battery	Rechargeable Li-ion battery
Operating Temperature	-20℃~+60℃
Dimensions	230×86×46mm
Weight	450g
Standard Configuration	Main unit, Impact Device type D, Calibration block, Power adapter, Small supporting ring, USB cable, Software, Backup accessories (Impact ball*1, Cable*1, Spanner*1), paper of Printer, Cleaning brush, Operation manual, Certificate.
Optional Accessories	Optional Impact Devices (D, DC, DL, D+15, G, C, E), Shaped support rings, Testing blocks, Paper for Printer



High Precision

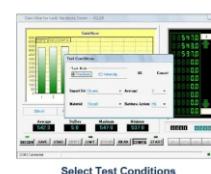


Calibration on HLD/HRC/HB Blocks

Material	Hardness	Impact Device (Probe)					
		D/DC	D+15	C	G	E	DL
Steel & cast Steel	HRC	17.1~68.5	19.3~67.9	20.0~69.5		22.4~70.7	20.6~68.2
	HRB	59.6~99.6			47.7~99.9		37.0~99.9
	HRA	59.1~85.8				61.7~88.0	
	HB	80~651	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
Forged Steel	HB	142~651					
Alloy Tool Steel	HRC	17.1~67.1	19.8~68.2	20.0~69.5		22.6~70.2	
	HV	83~976	80~935	80~996		82~1009	
Stainless Steel	HRB	59.6~99.6					
	HB	140~651					
	HV	83~976					
Gray Cast Iron	HRC						
	HB	140~334			92~326		
	HV						
GC Iron	HB	140~387			140~364		
	HB	30~159		23~210	32~168		
Cast Alum.	HRB	23.8~84.6		22.7~85.0	23.8~85.5		
	HV	83.2~648.2					
Copper-Zinc Alloy (Brass)	HB	40~173					
	HRB	13.5~95.3					
Bronze	HB	60~290					
Copper	HB	45~315					

Special Supporting Ring (use for different shaped surface)

Model	Notice	Model	Notice
Z10-15	Outside cylinder R10-15	K10-15	Outside sphere R10-15
Z14.5-30	Outside cylinder R14.5	K14.5-30	Outside sphere R14.5-30
Z25-50	Outside cylinder R25-50	HK11-13	Inside sphere R11-13
HZ11-13	Inside cylinder R11-13	HK12.5-17	Inside sphere R12.5-17
HZ12.5-17	Inside cylinder R12.5-17	HK16.5-30	Inside sphere R16.5-30
HZ16.5-36	Inside cylinder R16.5-30	UN	Outside cylinder, R10-∞



Water-proof packing box

