



TIME[®] 5300

PORTABLE HARDNESS TESTER

Standard Delivery

•Main unit	1
•Impact device type D	1
•Test block HLD	1
•Small support ring	1
•Cleaning brush	1
•Charger	1
•TIME certificate	1
•Warranty card	1
•Instruction manual	1

Optional Accessory

- Printing paper
- Special impact devices
- Support rings



Features

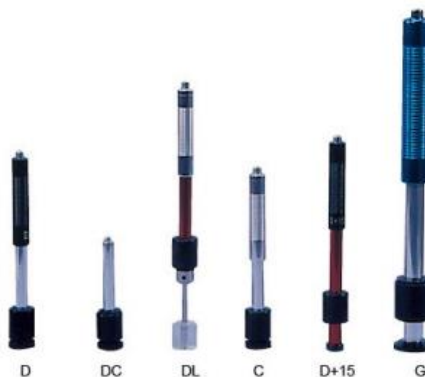
- Direct conversion of HL,HRB,HRC,HB,HV,HS; Conversion to tensile strength
- Direct display showing all functions and parameters
- With high accuracy and wide measurement for all metallic material
- Seven different kinds of impact device are available, distinguish automatically, no need calibration
- Inputting date, mark
- Software calibration
- Power charger and battery low indication
- Any test value can be printed directly
- Automatically switch off
- Easy to change rechargeable battery

Technical Specification

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Measuring range	(170-960)HLD (17.9-69.5)HRC see page 12
Hardness scale	HL, HB, HRB, HRC, HV, HS
Measuring direction	360°
Tolerance	±6HLD(when HLD=760±30) see page 12
Repeatability	6HLD(when HLD=760±30)
Diameter for printer paper	40mm
Width for printer paper	44.5±0.5mm
Power	12V/600mA
Charging time	2-3.5 hour
Humidity	≤90%
Operating temperature	0°C~40°C
Dimensions (mm)	235×90×47
Weight (g)	615

Portable Hardness Tester



Measuring rang of TIME Leeb hardness tester

Material	Hardness scale	Impact device					
		D/DC	D+15	C	G	E (Imported)	DL
Steel and cast steel	HRC	17.9~68.5	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	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
Steel	HB	143~650					
CWT. 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					
GC. iron	HRC						
	HB	93~334			92~326		
	HV						
NC. iron	HRC						
	HB	131~387			127~364		
	HV						
C. Alum	HB	19~164		23~210	32~168		
	HRB	23.8~84.6		22.7~85.0	23.8~85.5		
Brass	HB	40~173					
	HRB	13.5~95.3					
Bronze	HB	60~290					
Copper	HB	45~315					

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