

Portable Hardness Tester DHT-100



Features

- Large LCD display with back light
- For most metals
- Based on the hardness HL value, conversion can be performed to HRB, HRC, HV, HB, HS and Tensile strength
- Impact devices D, DC, DL, C, D+15 and G are available for special applications
- Test at any angle, even upside down
- RS 232 output and internal memory in a bath of 1250 average readings
- Date and time display
- Lower and upper limits setting with low-high display judge
- High accuracy +/- 0.5%
- Works on 4 standard AAA batteries
- Auto shutdown after two minutes
- Conforming to ASTM A 956



User-Friendly operating interface



Standard Delivery

- Main Unit
- Small supporting ring
- Impact device D
- Two AAA batteries
- Test block with HLD-value
- Software and Cable
- Carrying case
- Operation manual
- Cleaning brush
- Leather wrist strap
- Certificates



With leather wrist strap, Convenience to operate

Technical Specification

Measuring Range / Materials	See table 1
Tensile Strength UTS range (steel only)	δ_b from 370 to 2000 (106 N/mm \approx)
Hardness Parameter	HL, HRC, HRB, HV, HB, HS
Optional Impact Device	DC / D+15 / DL / C / G
Display functions	Scale, Hardness Value, times, average indicator and average value, impact direction, type of impact device connected, memory, reference, date, time, battery power consumption
Display	128 x 64 LCD display with back light
Accuracy	+/- 0.5% (at HLD=800)
Memory	1250 group
Output	RS 232
Testable workpiece	Thickness coupled: Minimum 3 mm or more (Except with Impact device G:10mm) Mass: 5kg or more (2-5kg on solid support , <2kg with couplant paste) Surface roughness: Ra 10 Radius (convex/concave): Rmin=30mm or more (<30mm with support ring)
Test Points	5mm or more from the edge of the sample, 3mm or more to each of the tested points
Battery type	2 AAA alkaline, 1.5V
Operating temperature	-20 ~ +50
Dimensions	108mm x 62mm x 25mm
Weight	230 grams (including impact device)

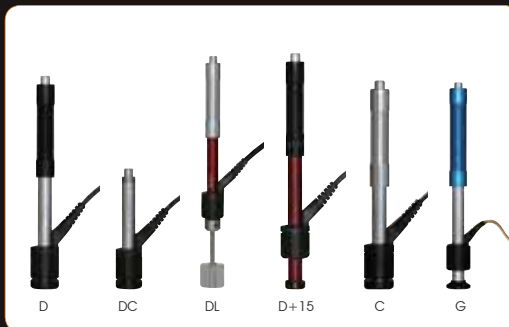
Table 1 (For impact device D)

Materials	HL	HRC	HRB	HB	HS	HV
ST & Cast ST	300~890	19.8~68.5	59.6~99.6	80~651	26.4~99.5	83~976
CWT Stell	300~840					80~898
Stainless	300~800	20.4~67.1		85~655		85~802
GC Iron	444~650		46.5~101.7	140~334(30 D2)		
NC Iron	416~658	19.6~62.4		140~384(30 D2)		
Cast Alum	200~560			30~159 (10D2)		
Brass	200~550	13.5~95.3		40~173 (10D2)		
Bronzes	300~700			60~290 (10D2)		
Copper	200~690			45~315 (10D2)		

Optional Accessories



Mimi-printer and Cable



Impact devices D, C, DC, D+15, DL, G



Special support rings