Integrated Hardness Tester DHT-300^{PLUS}/DHT-310^{PLUS}

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DHT-300C^{plus}

DHT-300D^{plus}

DHT-300DL^{plus}

Bluetooth Printer

Features

- Pocket size, easy to operate
- High contrast OLED display
- High Accuracy +/-4HL (0.5% at 800HL)
- Conveniently exchange between impact device D and DL
- Automatic orientation correction
- Work with Mini-printer thru Bluetooth (DHT-310 series)
- For most metals
- Based on the hardness HL value, conversion can be performed to HRB, HRC, HV, HB, and HS
- USB interface for both recharging and data transfer to PC
- Internal memory in a batch of 1250 average readings
- Lower and upper limits setting with Low-High display judge
- Works on 3.7V rechargeable lithium-battery with working more than 16 hours continuously
- Auto shutdown after 5 minutes
- Conforming to ASTM A 956

Technical Specification

Hardness parameter		HL, HRC, HRB, HV, HB, HS
Measurement range / metallic materials		See the table 1
Display		OLED display
Display functions		Battery power consumption, Hardness scale, Hardness value, Average value, Max/Min value, Material
Accuracy Statistics		+/- 0.5% (HLD=800)
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
	Test Points	Radius (convex/concave): Rmin=30mm or more (<30mm with support ring) 5mm or more from the edge of the sample, 3mm or more to each of the tested points
Memory		1250 groups
Output		USB port
Impact device (standard)		D
Optional Impact Device		DL / C
Power supply		3.7V rechargeable lithium-battery with working more than 16 hours continuously
Operating temperature		-20℃ ~ +40℃
Dimensions & Weight		158mm × 41mm × 26mm，120g（including batteries）

Table 1 (For impact device D)

Materials	HL	HRC	HRB	HB	HS	HV
Steel & Cast Steel	300~890	19.8~68.5	59.6~99.6	80~651	26.4~99.5	83~976
Alloy teel Steel	300~840					80~898
Stain less steel	300~800	20.4~67.1		85~655		85~802
Grey Cast Iron	444~650		46.5~101.7	140~334 (30 D2)		
Spheroidal Iron	416~658	19.6~62.4		140~384 (30 D2)		
Cast Aluminum	200~560			30~159 (10D2)		
Brass	200~550	13.5~95.3		40~173 (10D2)		
Bronze	300~700			60~290 (10D2)		
Copper	200~690			45~315 (10D2)		

Standard Delivery

- Main Unit
- Integrated Impact device D, C or DL
- Certified Test Block with HLD-value
- Software and cable
- Cleaning Brush
- Small Supporting ring
- Calibration Certificates
- AC Adapter/Charger
- Bluetooth Printer (DHT-310 series)
- Carrying case
- Operation manual

Optional Accessories

- Support rings for convex, concave and sperical surfaces

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GAS DETECTION, INSTRUMENTATION & INDUSTRIAL SAFETY

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