德光科技
BEIJING DRAGON ELECTRONICS CO.

Hardness Tester DHT-100plus/DHT-100Plus-B



Features

- **Real data transfer to PC via Bluetooth (DHT-100plus-B)**
- Large colorful TFT display 320×240
- Measuring range 174～900HL
- High accuracy and repeatability ±0.5% at 800HL
- Conform to ASTM A 956
- Impact Device D is in standard delivery, optional Impact Device DC, DL, D+15, C and G for different application
- Based on HL value, conversion to HRB, HRC, HV, HB, HS and Tensile strength is available
- 360° full angle measurement
- Memory of 10,000 average readings in 100 files, data transfer without software
- Multi-languages and and Multi-national hardness standards
- Data transfer to PC through USB without software or optional Bluetooth printer
- Auto shut down after two minutes without operation for saving power

Standard Delivery

- Main Unit
- Impact device D
- Certified test block with HLD value
- Cable
- Cleaning brush
- Small supporting ring
- **Bluetooth receiver (DHT-100plus-B)**
- Operating manual
- Carrying case
- Calibration Certificate

Technical Specification:

Measurement range		174HL～900HL See table 1
Hardness parameter		HL, HRB, HRC, HV, HB, HS and Tensile strength
Tensile strength UTS range (steel only)		370～2000 (≈106N/mm)
Optional impact device		D, DC, DL, D+15, C and G
Materials		Steel & Cast steel, Alloy tool steel, Stainless steel, Grey cast iron, Spheroidal iron, Cast aluminum, Brass, Bronze and Copper
Accuracy & Repeatability		+/-0.5% when HL=800
Memory		10,000 average readings
Data output		USB
Require -ment	**Thickness**	Minimum 3mm or more (10mm for Impact device G)
	Weight	5Kg or more (Need Solid support 2-5Kg, Need coupled ＜2Kg)
	Roughness	≤Ra10
	Test point	Radius (convex/concave) Rmin=30mm or more (Need support ring＜30mm) 5mm or more from edge of the sample
Display		Large colorful TFT display 320×240
Power supply		2PCS AAA battery
Operating temperature		-20℃～+50℃
Dimensions		133mm（L）×75mm（W）×29mm（H）
Weight		0.26kg (including batteries)

Table 1 for Impact device D

Material	HLD	HRC	HRB	HB	HV	HS
Steel	300-900	20.0-68.0	38.4-99.5	80-647	80-940	32.5-99.5
C.W. Tool Steel	300-840	20.4-67.1			80-898	
Stainless ST	300-800	19.6-62.4	46.5-101.7	85-655	85-802	
Gray Cast Iron	360-650			93-334		
Nodular Cast Iron	400-660			131-387		
Cast Aluminum	174-560			20-159		
Brass	200-550		13.5-95.3	40-173		
Bronze	300-700			60-290		
Copper	200-690			45-315		

Manufactured by : Beijing Dragon Electronics Co.

Add:R.108 Building 38, Baiwang-Jasmine Garden, Haidian District, Beijing 100094 China
T: 86-10-62335745 F: 86-10-62314006 www.dgc-ndt.com.cn M: export2@dgc-ndt.com.cn