

# APP type Hardness Tester DHT-400Plus



APP



Cel phone



Pad

## Features

- Optional Bluetooth printer or connect to Cel phone or Pad through powerful App software, even upload to Cloud, so as share test result around the Globe
- Memory of 2,000 average readings in 10 files, data transfer without software or unlimited memory depending on Cel phone or Pad
- 360° full angle measurement and automatic impact direction recognition
- Multi-languages and Multi-national hardness standards
- OLED display 128×64
- Measuring range 174-960HL
- High accuracy and repeatability  $\pm 0.5\%$  at 800HL
- Conform to ASTM A 956
- Impact Device D is in standard delivery, optional Impact Device C, DL or G for different application
- Based on HL value, conversion to HRB, HRC, HV, HB and HS is available



## Standard Delivery

- Main Unit
- Impact device D, C, DL or G
- Certified test block with HLD value
- App Software
- Cleaning brush
- Small supporting ring
- AC adapter/charger
- Operating manual
- Carrying case
- Calibration Certificate

## Technical Specification

Measurement range		174HL ~ 960HL See table 1
Hardness parameter		HL, HRB, HRC, HV, HB, HS and Tensile strength
Optional impact device		DL, 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		2,000 average readings for main unit or unlimited memory depending on Cel phone or Pad
Data output		APP or Bluetooth printer
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		OLED display 128×64
Power supply		3.7V recharge battery
Operating temperature		-20°C ~ +50°C
Dimensions		158mm ( L ) × 41mm ( W ) × 26mm ( H )
Weight		0.12kg (including batteries)

**Table 1 for Impact device D**

Materials	HL	HRC	HRB	HB	HS	HV
Steel & Cast Steel	300-900	19.8-68.5	59.6-99.6	80-651	32.5-99.5	83-976
Alloy tool Steel	300-840					80-898
Stainless Steel	300-800	20.4-67.1	46.5-101.7	85-655		85-802
Grey cast iron	444-650			140-334 30D2		
Spheroidal Iron	416-658	19.6-62.4		140-384 30D2		
Cast Aluminum	200-560					
Brass	200-550	13.5-95.3	13.5-95.3			
Bronze	300-700					
Copper	200-690					

## Optional Accessories



Bluetooth printer



Support rings