德光科技
BEIJING DRAGON ELECTRONICS CO.

Intelligent type Hardness Tester DHT-400Plus

Impact device D







Bluetooth printer

Features

- OLED display 128×64
- Measuring range 174-900HL
- High accuracy and repeatability 0.5% at 800HL
- Conform to ASTM A 956
- Optional Bluetooth printer
- 360° full angle measurement and automatic impact direction recognition
- Based on HL value, conversion to HRB, HRC, HV, HB and HS is available
- Memory of 2,000 average readings in 10 files, data transfer without software
- Multi-languages and Multi-national hardness standards

Standard Delivery

- Main Unit
- Impact device D
- Certified test block with HLD value
- Cleaning brush
- Small supporting ring
- AC adapter/charger
- 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
Materials		Steel & Cast steel, Alloy tool steel, Stainless steel, Grey cast iron, Spheroidal iron, Cast aluminum, Brass, Bronze and Copper
Require -ment	**Thickness**	Minimum 3mm or more
	Weight	5Kg or more (Need Solid support 2-5Kg, Need coupled ＜2Kg)
	Roughness	≤Ra2
	Test point	Radius (convex/concave) Rmin=30mm or more (Need support ring＜30mm) 5mm or more from edge of the sample
Operating temperature		-20℃～+50℃
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	20.0-68.0	38.4-99.5	80-647	32.5-99.5	80-940
Alloy tool Steel	300-840	20.4-67.1				80-898
Stainless Steel	300-800	19.6-62.4	46.5-101.7	85-655		85-802
Grey cast iron	360-650			93-334 $30D^2$		
Spheroidal Iron	400-660	19.6-62.4		131-387 $30D^2$		
Cast Aluminum	174-560			20-159 $10D^2$		
Brass	200-550	13.5-95.3		40-173 $10D^2$		
Bronze	300-700			60-290 $10D^2$		
Copper	200-690			40-315 $10D^2$		

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