



## PEN HARDNESS TESTER DHT-300

Precision Pocket Hardness Tester (Page 1 of 2)

*DHT - 300*



### Portable dynamic metal hardness tester with internal probe

- Dynamic hardness testing: quick and reliable
- Wide measuring range in HL value and direct display of converted hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB and Shore HS
- For most metals
- Impact device provides testing at any angle, even upside down
- **Data output USB port and internal memory in a batch of 1250 average readings**
- Lower and upper limits setting with Low-High display judge
- High accuracy  $\pm 0.5\%$
- Conforming to ASTM A 956
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Works on 3.7V rechargeable lithium-battery with working more than 16 hours continuously; auto-off after two minutes

#### Standard delivery

- Main unit with impact device D
- Software and Cable
- AC adapter / Charger
- Cleaning Brush
- Testblock HLD-value hardness parameter
- Certificate
- AC adapter / Charger
- Manual
- Carrying Case

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## Technical specifications Page 2 of 2

Hardness parameter	HL, HRC, HRB, HV, HB, HS
Measuring range / metallic materials	See table below
Display dimensions	112 x 64 LCD
Display functions	Hardness scale, hardness value, times, average indicator and average value, impact direction, type of impact device connected, memory reference, date, time, battery power consumption
Accuracy	Within $\pm 0.5\%$ ( or HLD=800)
Statistics	Average value
Memory	1250 groups
Output	USB port
Impact device (standard)	D
Optional impact device	DL / C
Workpiece max. hardness value	940HV
Workpiece radii (convex/concave)	Rmin=50mm (with support ring Rmin=10mm)
Workpiece minimum weight	5kg on solid support (0.1kg with couplant paste)
Workpiece min. thickness coupled	3mm (except with impact device G:10mm)
Workpiece min.case hardened depth	0.8mm
Indentation depth	impact devices data
Power	3.7V rechargeable lithium-battery with working more than 16 hours continuously
Operating temperature	-20°C to+50°C (impact device: 120°C max. briefly)
Overall dimensions	158 x 41 x 26mm
Weight	120g

Materials	HL	HRC	HRB	HB		HS	HV
				30D <sup>2</sup>	10D <sup>2</sup>		
ST & CAST ST	300~900	20.0~68.0	38.4~99.5	80~647		32.5~99.5	80~940
CWT STEEL	300~640	20.4~67.1	46.5~100.7				80~898
STAINLESS	300~800	19.6~62.4		85~656			85~802
GC IRON	360~650			90~334			
NC IRON	400~660			131~367			
CAST ALUM	174~560				20~190		
BRASS	200~550		13.5~95.3		40~173		
BRONZES	300~700				60~290		
COPPER	200~690				45~315		

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