

New Handheld hardness tester DHT-400 Plus



DHT-400 Plus D



DHT-400+ DL unit

The DHT-400 Plus Integrated Hardness Tester utilizes state-of-the-art micro-electronic technology. This uniquely designed pocket-size instrument comes with a pocket sized carrying case and incorporates a hardness impact probe, microprocessor and data display in a single, compact unit.

The main new features of DHT-400 includes data display with statistic, enlarged storage capacity, USB interface for both recharging and data transfer to your PC or printer, **OLED display** for use in dark areas, and much more.

The DHT-400 Plus conforms to ASTM A956 and provides exceptional reliability for a wide measuring range, and is capable of automatically converting and displaying measurements into Rockwell, Brinell, Leeb, Vickers and Shore hardness values.

Typical applications

- Testing of large and/or heavy components, including installed machine parts and components
- Testing of products during manufacture, especially of mass produced components
- Testing of items and materials in warehouses or stores for material identification
- Testing of materials and components located in difficult to access, or confined spaces

Technical Data

- Measuring accuracy: +/- 0.5%
- Impact device: Model D & DL
- OLED display
- Hardness measurement values include HRC, HRB, HRA, HB, HV, HS and HLD
- Automatic calculation of average and mean test values
- Storage capacity: 1250
- USB 2.0 interface
- Impact direction: any angle
- Impact energy: 8 ft-lbs (11Nmm)
- Test tip: Tungsten Carbide
- Dimensions: 158 x 41 x 26 mm
- Weight: 120g
- Operating temperature: 0° C - 50° C

Standard package

- Processor integrated with impact device D or DL
- Calibration certificate
- Standard test block
- Software
- USB cord
- Battery charger
- Support ring
- Cleaning brush
- Carrying case

Table 1: DHT-400+ D unit: Measuring range LD: 300 - 900

Materials	HLD	HRC	HRB	HB		HS	HV
				30D ²	10D ²		
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		

Table 2: DHT-400+ DL unit: Measuring Range LDL: 560-950

Material	HLDL	HRC	HRB	HB	HV	HS
Steel & Cast St.	560-950	20.0-68.0	38.4-99.5	80-647	80-940	32.5-99.5
C.W. Tool Steel	560-921	20.4-67.1			80-898	