

Precision Pen Style Hardness Tester



DHT-40



- ✓ Compact Design, Easy-to-Use and Reliable
- ✓ Digital with High Contrast LCD Display
- ✓ Displays MIN/MAX and AVG Values
- ✓ Hardness Units: Leeb HL, Rockwell HRB and HRC, Vickers HV, Brinell HB, Shore HS
- ✓ Works in Any Direction, Even Upside Down
- ✓ 1250 Reading Internal Memory and USB Cable for PC Interface
- ✓ 2-Minute Power Off

The DHT-40 is a pen style hardness tester. It has premium integrated electronics packaged into an easily portable pocket sized case which includes the impact device. State-of-the-art technology gives extraordinarily high accuracy. The DHT-40 uses the Leeb method to measure hardness of any metal or surface for a wide variety of industrial purposes. The Leeb method is noted for its accuracy, wide measuring range and operating simplicity. The DHT-40 hardness pen conforms to the Standard ASTM A956 and comes with a USB cable and software for PC downloading of data. A rugged carrying case and test block are also included.



DHT-40 shown with standard hardness block (included).

Typical Applications:

- ✓ Spot Testing on Production Lines
- ✓ Material Verification
- ✓ Incoming Inspection
- ✓ Quality Assurance Test Records

Hardness Ranges

| Materials | HL | HRC | HRB | HB 30D ₂ | HB 10D ₂ | HS | HV |
|----------------------|------------|--------------|---------------|---------------------|---------------------|--------------|-----------|
| Steel and Cast Steel | 300 to 900 | 20.0 to 68.0 | 38.4 to 99.5 | 80 to 647 | | 32.5 to 99.5 | 80 to 940 |
| CWT Steel | 300 to 640 | 20.4 to 67.1 | 46.5 to 100.7 | | | | 80 to 898 |
| Stainless Steel | 300 to 800 | 19.6 to 62.4 | | 85 to 656 | | | 85 to 802 |
| Cast Iron GG | 360 to 650 | | | 90 to 334 | | | |
| NC Iron | 400 to 660 | | | 131 to 367 | | | |
| Cast Aluminum | 174 to 560 | | | | 20 to 190 | | |
| Brass | 200 to 550 | | 13.5 to 95.3 | | 40 to 173 | | |
| Bronze | 300 to 700 | | | | 60 to 290 | | |
| Copper | 200 to 690 | | | | 45 to 315 | | |



DHT-40 shown smaller than actual size.

Specifications

Measurement: Leeb hardness measurement

Accuracy/Repeatability: ±0.5%

Relative Repeatability: ±0.8%

Display: 112 x 64 pixel LCD

Hardness Scale: HL/HRC/HRB/HB/HS/HV

Display: Hardness scale; measured value; avg; min; max; memory; battery power; number of measurements; average; material; direction

Impact Device: Built-in

Materials: Most common metals including steel/cast steel, alloy tool steel, stainless steel, grey cast iron gg, nodular cast iron, cast aluminum, copper-zinc brass, copper aluminum, wrought copper

Memory: 1250 readings

Functions: Min/max/avg

Indicator: Low battery

Interface: USB transferring data with PC and battery charging

Power Supply: 3.7V Li-ion rechargeable battery (included) provides up to 16 hours continuous use

Working Environment: 0 to 45°C (32 to 104°F)

Dimensions: 160 L x 44 W x 25 mm dia (6.3 x 1.7 x 0.98")

Net Weight: 110 g (3.88 oz)

Standards: Conforming to ASTM A956, DIN 50156, GB/T 17394-1998



Hard case and accessories included.

To Order

| Model No. | Description |
|-----------|---------------------------|
| DHT-40 | Pen style hardness tester |

Comes complete with DHT-40 with impact device, small support ring and cleaning brush, standard hardness test block, AC adaptor/charger, software (CD), 3.7V Li-ion rechargeable battery (internal), USB cable and operator's manual.