

Portable & Reliable

QH5 Series hardness gauges are used to measure the hardness of metals quickly and easily making them an ideal complement to traditional bench hardness testers. Measurements are always expressed in Leeb with immediate conversions to other hardness units such as Rockwell, Brinell, Vickers and Shore. All QH5 models include a memory to store measurements that can then be transferred to a PC.



- D**
- DC**
- DL**
- C**
- G**
-
-
- 5 YEAR WARRANTY**

Applications

Identify and classify materials

Conduct tests during production

Check large or heavy parts on-site

Measure flat and curved surfaces



Main Features

- Meets ASTM A-956 standards
- Accuracy of $\pm 4HL$ (0.5% at 800HL)
- Impact devices can be used in all directions
- CalTag technology in all dmq impact devices
- Histogram graphics and statistics
- High impact ABS enclosure w/ rubber sides
- Touch-Sense front panel (no mechanical parts)
- Programmable quick access key
- Transfer data to a PC via USB
- dmq DataCenter Software

3 Models

	Impact Device Types			
	D / DC	G	DL	C
QH5 D	•			
QH5 G	•	•		
QH5 M	•	•	•	•

dmq impact devices include Cal-Tag technology so that impact devices can be changed with no need to calibrate the unit.

Cal-Tag technology is exclusive from Demeq.

Material	D / DC	G	DL	C
Steel & Cast Steel				
Brinell (HB)	81-663	90-646	80-683	81-646
Vickers (HV)	81-996	—	80-996	80-950
Rockwell C (HRC)	20-72	—	20-70	21-68
Rockwell B (HRB)	37-100	48-100	—	37-100
Rockwell A (HRA)	—	—	—	—
Shore (HS)	32-100	—	32-99	—
Rm (N/mm2)	275-2194	305-2194	275-2194	275-2297
Alloy Tool Steel				
Vickers (HV)	80-898	—	—	—
Rockwell C (HRC)	20-67	—	—	—
Stainless Steel				
Brinell (HB)	85-655	—	—	—
Vickers (HV)	85-802	—	—	—
Rockwell C (HRC)	20-62	—	—	—
Rockwell B (HRB)	46-102	—	—	—
Grey Cast Iron				
Brinell (HB)	92-334	92-326	—	—
Spheroid Iron				
Brinell (HB)	127-387	127-364	—	—
Cast Aluminum				
Brinell (HB)	19-160	—	—	—
Brass				
Brinell (HB)	40-173	—	—	—
Rockwell B (HRB)	14-95	—	—	—
Copper				
Brinell (HB)	45-315	—	—	—
Bronze				
Brinell (HB)	60-290	—	—	—

Technical Specifications

Measurement

Method: Leeb rebound method
 Resolution: 1 HL - 1 HB - 1HV - 0.1HRC - 0.1 HRB - 0.1 HRB - 0.1 HS - 1 N/mm2
 Accuracy: ± 4 HL (0.5% at 800 HL)
 Measuring range: HL 200 - 960
 Impact angles: 0°, 45°, 90°, 135°, 180°.

Features

Histogram: 3 to 18 bars
 Statistics: Medium, Max, Min, Std Dev
 User units: HU-1, HU-2 user generated
 Clock: Time and date registration
 Alarms: High and Low

Data Logger

Capacity: 32000 + values
 Organization: Up to 8 files with names
 Capture modes: Manual and Automatic

Electronic unit

Dimensions: 78 x 117 x 24 mm
 Weight: 200g with batteries
 Working Temp: -10° to +50°C
 Enclosure: High impact ABS w/ rubber sides

Power Supply

Batteries: 2 x AA 1,5v
 Operation: 120 hours w/ backlight off
 Shutdown: Manual, Auto or Continuous

Presentation

- QH5 Electronic Unit
- Impact Device
- Test Block
- Coupling Paste
- USB Cable
- dmq DataCenter Software
- Printed User Manual
- High Impact Carrying Case
- Certificate of Conformity



Software dmq DataCenter

DataCenter is software used to transfer and process data stored in the unit memory. With the tools in DataCenter you can generate statistics, graphics, export data to other programs and prepare custom reports.