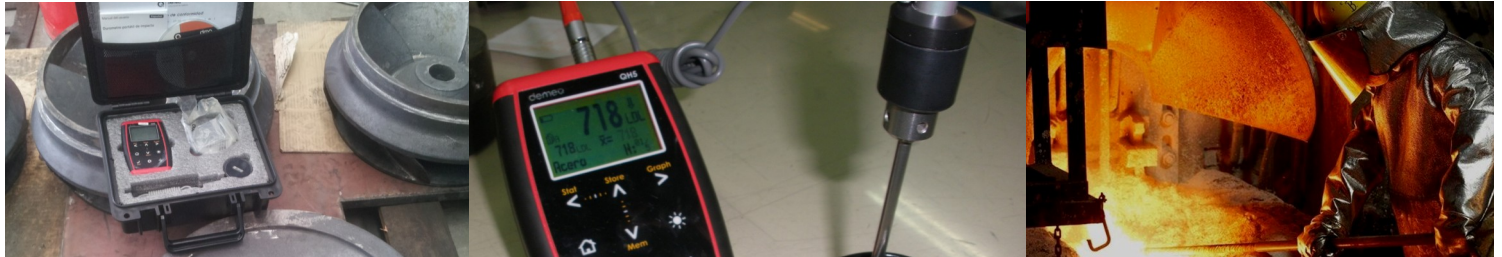


Portable & Reliable

QH Series Leeb Hardness Testers are a practical and reliable alternative (not a replacement) to the traditional bench hardness testers. Obtain quick measurements with immediate conversions to the more common hardness units such as Rockwell, Brinell, Vickers, and Shore. Mechanical resistance can also be measured.



C

D

DC

DL

G



USB



Applications

Take the unit to the material or test piece

Identify and classify materials in stock

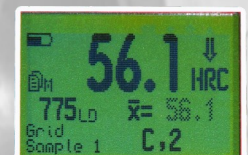
Conduct tests during production

Check large or heavy parts on-site

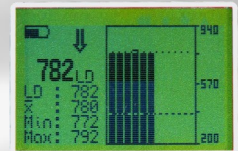
Measure flat as well as curved surfaces



Unit Screens



Automatic conversions from Leeb (HL) to HRC, HRB, HRA, HB, HV, HS, Rm



Real time graphics and statistics

Outstanding Features

- Meets ASTM A-956 standards
- Accuracy of $\pm 4HL$ (0.5% at 800HL)
- Impact devices can be used in all directions
- CalTag technology to easily switch impact devices
- Histogram graphics and statistics
- Optional mini-printer
- 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
- 5 year limited warranty

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/mm ²)	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/mm ²
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, Range
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



dmq DataCenter Software

With dmq DataCenter values stored in the unit memory can be transferred to a PC via USB so that with tools included in DataCenter you can generate statistics, graphics, export values to other programs, and prepare custom reports.

