Rebound Hardness Testers

QH5 Series

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 ± 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

QH5 Series

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.

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.

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