













Portable "Heavy-Duty" Hardness Tester Leeb + UCI

Cover the widest range of applications combining Leeb and UCI methods of hardness testing. Measure small parts with UCI and get faster and accurate measures in Leeb with our GyroTag technology that automatically corrects the impact angle.

A robust design in a high resistance aluminum enclosure with a large display and the ability to support all impact device types and UCI probes makes the QH7 Series the most complete and advanced option in the dmq QH Family of portable metal hardness testers.



-  Measure with the Leeb (rebound) method ¹
-  Measure with the UCI method ¹
-  GyroTag: Auto impact device angle detection
-  Accepts all impact device types
-  Accepts 10, 50 and 98 N UCI probes
-  Measures in the most popular units
-  High resistance aluminum enclosure
-  Operates on rechargeable batteries
-  Memory for 32000 readings
-  USB and RS232 for data transfer
-  **5 year limited warranty** ²
-  **The best post-sale support**

1. Depending on model, / 2. On the electronic unit.

Ideal for measurement and control of...

Massive parts. Heat Affected Zones (HAZ)

Founded, forged or rough finished parts

Steel and aluminum alloys

Heat treated or superficial treatments

Impact devices with Gyrotag



Type D impact device: General use impact device that offers the widest ranges in all hardness units and available materials.



Type DC impact device: Type D impact device with a short body, ideal for measurements in reduced spaces.



Type C impact device: A low impact energy that also produces a smaller indentation makes this impact device ideal for superficial heat treatment and small part measurements.



Type G impact device: A greater impact energy allows measurements on rough surfaces with little preparation. Recommended for large, founded and forged parts.



Type DL impact device: Features a 50 mm long tip and 4 mm diameter making it ideal to measure in hard to reach places such as grooves and gears.



Type E impact device: Uses a synthetic diamond ball allowing high hardness measurements (up to 1200 HV). This is the best option to measure hardened steel or parts with similar treatments.

UCI Probes



10 N UCI Probe

Ideal to measure superficial hardness, polished surfaces and small parts with a good finish.



50 N UCI probe

Measure induction or cemented treated parts such as crankshafts, gears, welds and heat affected zones.



98 N UCI probe

Recommended for use in founded parts, weld seams and heat affected zones even in unmachined surfaces.



Models



Models



Leeb (Rebound)



UCI (Ultrasonic Contact Impedance)

QH7 L



QH7 U



QH7 C



Ready to use

Delivered in a high impact carrying case, inside you will find:



- 1 QH7 electronic unit
- 2 Impact device³
- 3 UCI probe⁴
- 4 Reference test block⁵
- 5 Coupling paste for parts
- 6 USB cable to connect to a PC
- 7 Battery charger
- 8 Pendrive with dmq DataCenter software and user manual
- 9 Certificate of conformity

*3. In QH7 L and QH7 C models
4. In QH7 U and QH7 C models
5. Depends on the model*

dmq DataCenter

It's our acquisition software for PC that allows to receive, process and export the data stored in our equipment with datalogger.

DataCenter is available for download from our website at no additional cost.



Transfer data to your PC



View measurements



Create graphics



Analyze data



Export to other programs



Generate and print reports



dmq DataCenter

Available for  Windows XP / 7 / 8 / 10
in www.demeq.com/datacenter



QH Family

Portable Metal Hardness Testers



Instruments developed and manufactured by DEMAQ

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