

Portable UCI Hardness Tester for metals

The QH5U hardness testers are ideal to measure metal plates or sheets, tubes or pipes with small thicknesses, small parts in general, heat affected zones (HAZ) in welds as well as heat treated or hardened surfaces among other applications generating an almost invisible indentation.

-  Measure with the UCI method
-  Measures in the most popular units
-  Accepts 10, 50 and 98N UCI probes
-  CalTag: UCI probes with calibration
-  Memory for 32000 readings
-  USB for data transfer
-  Real time histogram graphics
-  Real time complete statistics
-  **5 year limited warranty¹**
-  **The best post-sale support**



1. On the electronic unit.



Ideal to measure and control of...

Metal sheets, pipes and small parts

HAZ or heat affected zones in welds

Crankshafts, Camshafts, Gears

Superficial treatments

UCI Probes With CalTag



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.

Range: HV 100 - 950 **Accuracy:** ±5% in the entire HV measuring range



Applications



- Massive parts ●
- Founded, forged or rough finished parts ●
- Steel and aluminum alloys ●
- HAZ (Heat Affected Zones) or TAZ (Thermally Affected Zones) in weldst ●
- Metal plates and sheet metal coils ●
- Irregular surfaces ○
- Thin parts ●
- Heat treated or superficial treatments ●

○ Not recommended ● Depends on the part ● Adequate use

DIMENSIONS



79 x 117 x 32mm
(3.1 x 4.6 x 1.26in)

WEIGHT



182g
(0.40lbs)

POWER



Battery: AA x2
Battery life: 150 Hours²

INTERNATIONAL STANDARDS



ASTM A1038
ASTM E140



CE Marking

HARDNESS UNITS

**HL HB HV
HRB HRC²
HS N/mm²**

Vickers Rockwell C
Brinell Rockwell B
Shore User Units³
MPa

MATERIALS



Steel Copper
Aluminum Brass
Cobre

2. Display light off.

3. User can set units for measuring materials not included in equipment list.

Ready to use

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

- 1 QH5 U electronic unit
- 2 UCI probe
- 3 HV Reference test block
- 4 Coupling paste for parts
- 5 Pendrive with dmq DataCenter software
- 6 Cable USB para conexión a PC
- 7 Printed user manual
- 8 Certificate of conformity



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



dmq | Measure
+ Control

Instruments developed and manufactured by DMEQ

📍 Armenia 3878 | B1605CEJ Munro, Buenos Aires | Argentina

☎ Sales: +54 11 4765-7678 | 📞 Service: +54 11 4765-9647

💬 Whatsapp: +54 9 11 6974-5058

✉ dmq@demeq.com | 🌐 www.demeq.com



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