HEAVY DUTY Portable Hardness Testers QH7 Series

Leeb & UCI Methods

The all NEW QH7 Series hardness testers operate on the Leeb and or UCI methods of hardness testing depending on the model. This allows for solutions in most metal hardness testing applications with robust instruments that are ideal for use in heavy industry applications including mining.

Main Features

- Complies with ASTM A-956 & ASTM E-140 standards
- Measure in any direction with auto angle detection
- CalTag technology on impact devices and probes
- Graphical representations and statistics
- Rechargeable batteries
- Aluminum enclose with rubber sides
- Programmable quick access key
- Send data via Bluetooth
- Software dmq DataCenter
- Color backlight alphanumeric LCD display

How to choose the right QH7 for your application? 3 models: QH7 Leeb, QH7 UCI, QH7 Combined (Leeb & UCI)		
Application	QH7 U, QH7 C > UCI	QH7 L, QH7 C > Leeb
Heavy solid parts	+	++
Founded or forged	O	++
Steel as well as aluminum alloys	O	++
Weld Heat Affected Zones	++	O
Tubes and pipes	++	O
Bars	++	+
Metal plates and sheet metal coils	++	+
Non-homogenous surfaces	O	++
Thin parts	++	+
++ ideal	+ depends on actual part	O not recommended

Technical Specifications

Method	
Leeb:	Energy absorbed on impact
Materials:	Steel and cast steel, alloy tool steel, stainless steel, grey cast iron, spheroid iron, cast aluminum, brass, copper, bronze and user defined materials
Resolution:	1 HL - 1 HB - 1HV - 0.1HRC - 0.1 HRB - 0.1 HRB - 0.1 HS - 1 N/mm2 (Mechanical Resistance)
Accuracy:	± 4 HL (0.5% at 800 HL)
Measuring range:	HL 150 - 960

Method	
UCI:	Ultrasonic contact impedance
Materials:	Steel, other metals with calibration blocks
Resolution:	1HV - 0,1HRC - 0,1HRB - 1HB - 0,1HS -1N/mm2 (Mechanical Resistance)
Accuracy:	A maximum 5% tolerance in HV
Measuring range:	HV 230 - 940

Presentation

- QH7 electronic unit
- Impact device and or UCI probe
- Coupling paste
- Pen drive with DataCenter software
- High impact carrying case
- Factory certificate of conformity

Ask about test blocks

dmq DataCenter software

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. With the QH7 measurements can be transferred using a USB cable and or by Bluetooth.

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