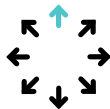




## Hardness Testing

# Equotip Live UCI

Wireless Portable Ultrasonic Contact Impedance (UCI) Hardness Tester



### Versatility

Advanced wireless UCI system based on innovative and patented force-sensing technology enables various test loads in one probe design.



### Productivity

Extremely efficient user interface and enhanced logbook built into our constantly evolving Equotip app enables documentation through photos, voice comments, and annotations.



### User Experience

Ultra-portable UCI probe with cloud connectivity built into modern IoT ecosystem with enabled data back-up, instant evaluation, and data sharing. Access your data from anywhere, anytime.



## Equotip App Tech Specs

### Display and processing unit (not included)

Display	Any Apple iOS device (min. iOS 13)
Instrument protection	Water, dust and debris resistance and MIL grade protection achieved through an external case/sleeve of customers' choice
Memory	>10'000'000 measurements, limited by the storage of the iOS device

### UCI Live operating parameters

Connectivity	Bluetooth LE, Micro USB for charging and service connection
Battery	1x AA (NiMH), flight safe
Battery lifetime	4-6h, > 3'000 measurements, depending on battery's capacity
Charging time	< 4-6h
Power input	5V, through micro USB
Dimensions	77 x 62 x 185.5 mm / 3 x 2.4 x 7.3 in
Weight	234 g / 8.26 oz
Humidity operation	< 90% RH, non-condensing
Operating temperature	(-) 20°C + 60°C / 14°F – 122°F
Certification	CE, KC, FCC
Equotip App Features	<ul style="list-style-type: none"><li>- Automatic data backup to ScreenigEagle's Workspace</li><li>- Histogram and table view, series statistics</li><li>- Automatic conversion to selected unit</li><li>- Probe verification assistant</li><li>- Custom material conversion: 1-point shift</li><li>- Voice read-out of measurement data</li><li>- Enhanced logbook with metadata (images, voice comments, annotations, geo location)</li><li>- Data export to pdf and CSV</li><li>- Probe statistics</li><li>- Video tutorials</li></ul>
Conversion curves applicable for materials	<ul style="list-style-type: none"><li>- Steel and cast steel</li></ul>
Languages	English, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Turkish
Regional settings	Metric and imperial units, multi-language and time-zone
Audio support	Full digital audio

### Proceq Workspace Cloud Solution

Proceq Workspace	Web-based data management system with cloud backup, accessible from PC, Mobile and Tablets.
Language support	English



## Instrument Tech Specs

Native Scale	HV(UCI)
Conversion scales	HLD, HB, HRC, HRA, HRB, HR15N, HR15T MPA ( $\sigma 1$ , $\sigma 2$ , $\sigma 3$ )
Measurement range	20-2000 HV
Indenter	ISO 6507-2 compliant, 136° Vickers diamond
Impact energy / Test force	HV1 (9.8 N), HV5 (49 N), HV10 (98N) in one probe
Accredited calibration	ISO/IEC 17025
Standard compliance	ASTM A1038 DIN 50159 GB/T 34205
Guidelines	ASME CRTD-91 ASTM A370 DGZfP Guideline MC 1 VDI / VDE Guideline 2616 Paper 1
Conversion standards	ASTM E140 ISO 18265 Proceq's own conversion curves
Measurement resolution	1 HV(UCI), 0.1 HRC
Measuring accuracy	$\pm 2\%$
Measurement deviation (E)	Lower than DIN 50159 & GB/T 34205
Coefficient of variation (R)	Lower than DIN 50159 & GB/T 34205
Weight	234 g / 8.26 oz
Dimensions	77 x 62 x 185.5 mm / 3 x 2.4 x 7.3 in



Standards & Guidelines	Description
ASTM A 1038	
ASTM A 370	
ASTM E 140	
DIN 50159	
GB/T 34205-2017	
ISO 18265	
ASME CRTD-91	
DGZfP Guideline MC 1	
VDI / VDE Guideline 2616 Paper 1	



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