





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.



<u>Display and</u> <u>processing unit</u> (<u>not included</u>)

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

<u>parameters</u>			
Connectivity	Bluetooth LE, Micro USB for charging and service connection		
Battery	1x AA (NiMH), flight safe		
Battery lifetime	4-6h, > 3'000 mesurements, 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	- Automatic data backup to ScreenigEagle's Workspace - Histrogram and table view, series statistics - Automatic conversion to selected unit - Probe verification assistant - Custom material conversion: 1-point shift - Voice read-out of measurement data - Enhanced logbook with metadata (images, voice comments, annotations, geo location) - Data export to pdf and CSV - Probe statistics - Video tutorials		
Conversion curves applicable for materials	- Steel and cast steel		
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





Native Scale	HV(UCI)		
Conversion scales	HLD, HB, HRC, HRA, HRB, HR15N, HR15T MPA (σ1, σ2, σ3)		
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 Gudeline MC 1 VDI / VDE Gudeline 2616 Paper 1		
Conversion standards	ASTM E140 ISO 18265 Proceq's own conversion curves		
Measurement resolution	1 HV(UCI), 0.1 HRC		
Measuring accuracy	± 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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