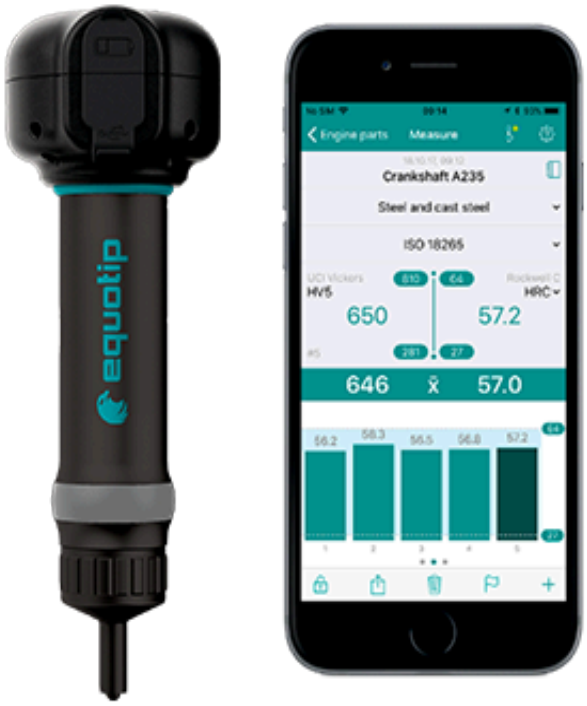

Hardness Testing

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 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

Download on the App Store

Instrument
Tech Specs

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	