proceq
A Screening Eagle Company



Hardness Testing

Equotip Live Leeb D

Portable Leeb D hardness inspection

Innovation

Ultra-portable, intelligent Leeb D probe, coupled to IoT and storage data backup ecosystem with a clean user-interface. Software enables you to share and access the data from anywhere.

Efficiency

Intuitive and efficient user interface to facilitate each step of your inspection. The audio output of readings lets you keep the mobile in your pocket for a more streamlined workflow.

Reliability

Synonymous with Proceq's reliability and legendary status with durable and accurate Leeb products from the inventor of Leeb method.

Display and processing unit (not included)
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 device
Memory	Memory of the iOS device

Leeb Live operating parameters

Connectivity	Bluetooth LE, Micro USB for charging and service connection
Battery	1x AAA (NiMH), flight safe
Battery lifetime	>19h, 14'000> measurements, depending on battery's capacity
Charging time	< 3-4h
Power input	5V, through micro USB
Dimensions	46 x 24.5 x 146 mm / 1.8 x 1.0 x 5.8 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 compensation of impact direction - 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

Cloud Solution

Screening Eagle 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	HLD
Conversion scales	HB, HV, HRB, HRC, HS, MPA (σ1, σ2, σ3)
Measurement range	100-1000 HLD
Indenter	Tungsten carbide
Impact energy / Test force	11 Nmm
Accredited calibration	ISO/IEC 17025
Standard compliance	ASTM A956 DIN EN ISO 16859 GB/T 17394 JB/T 9378
Guidelines	ASME CRTD-91 DGZfP Gudeline MC 1 VDI / VDE Gudeline 2616 Paper 1 Nordtest Technical Reports 99.12, 99.13, 99.36
Conversion standards	ASTM A370 ASTM E140 ISO 18265 Proceq's own conversion curves
Measurement resolution	1 HLD/HV/HB; 0.1 HRC/HRB/HS 1 N/mm 2 (Rm)
Measuring accuracy	± 4HLD, (0.5% @800 HLD)
Measurement deviation (E)	Lower than DIN EN ISO 16859
Coefficient of variation (R)	Lower than DIN EN ISO 16859
Weight	234 g / 8.26 oz
Dimensions	46 x 24.5 x 146 mm / 1.8 x 1.0 x 5.8 in

Standards & Guidelines	Description
ASTM A 370	
ASTM A 956	
ASTM E 140	
DIN 50156	
GB/T 17394	
ISO 16859	
JB/T 9378	
ASME CRTD-91	
DGZfP Guideline MC 1	
Nordtest Technical Reports 424-1, 424-2, 424-3	
VDI / VDE Guideline 2616 Paper 1	

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