



## 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	<ul style="list-style-type: none"><li>-Automatic compensation of impact direction</li><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>
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Conversion curves applicable for materials	- Steel and cast steel
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Languages	English, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Turkish
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Regional settings	Metric and imperial units, multi-language and time-zone
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Audio support	Full digital audio
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### Cloud Solution

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



## Instrument Tech Specs

Native Scale	HLD
Conversion scales	HB, HV, HRB, HRC, HS, MPA ( $\sigma_1$ , $\sigma_2$ , $\sigma_3$ )
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 Guideline MC 1 VDI / VDE Guideline 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	$\pm$ 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



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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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