



## Hardness Testing

# Equotip Live Leeb D

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Portable Leeb D hardness inspection

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### 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)**

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

**Leeb Live operating parameters**

<b>Connectivity</b>	Bluetooth LE, Micro USB for charging and service connection
<b>Battery</b>	1x AAA (NIMH), flight safe
<b>Battery lifetime</b>	>19h, 14'000> measurements, depending on battery's capacity
<b>Charging time</b>	< 3-4h
<b>Power input</b>	5V, through micro USB
<b>Dimensions</b>	46 x 24.5 x 146 mm / 1.8 x 1.0 x 5.8 in
<b>Weight</b>	234 g / 8.26 oz
<b>Humidity operation</b>	< 90% RH, non-condensing
<b>Operating temperature</b>	(-) 20°C + 60°C / 14°F – 122°F
<b>Certification</b>	CE, KC, FCC
<b>Equotip App Features</b>	<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>
<b>Conversion curves applicable for materials</b>	- Steel and cast steel
<b>Languages</b>	English, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Turkish
<b>Regional settings</b>	Metric and imperial units, multi-language and time-zone
<b>Audio support</b>	Full digital audio

**Cloud Solution**

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



**Instrument**  
Tech Specs

<b>Native Scale</b>	HLD
<b>Conversion scales</b>	HB, HV, HRB, HRC, HS, MPA ( $\sigma_1$ , $\sigma_2$ , $\sigma_3$ )
<b>Measurement range</b>	100-1000 HLD
<b>Indenter</b>	Tungsten carbide
<b>Impact energy / Test force</b>	11 Nmm
<b>Accredited calibration</b>	ISO/IEC 17025
<b>Standard compliance</b>	ASTM A956 DIN EN ISO 16859 GB/T 17394 JB/T 9378
<b>Guidelines</b>	ASME CRTD-91 DGZIF Guideline MC 1 VDI / VDE Guideline 2616 Paper 1 Nordtest Technical Reports 99.12, 99.13, 99.36
<b>Conversion standards</b>	ASTM A370 ASTM E140 ISO 18265 Proceq's own conversion curves
<b>Measurement resolution</b>	1 HLD/HV/HB; 0.1 HRC/HRB/HS 1 N/mm 2 (Rm)
<b>Measuring accuracy</b>	$\pm$ 4HLD, (0.5% @800 HLD)
<b>Measurement deviation (E)</b>	Lower than DIN EN ISO 16859
<b>Coefficient of variation (R)</b>	Lower than DIN EN ISO 16859
<b>Weight</b>	234 g / 8.26 oz
<b>Dimensions</b>	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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