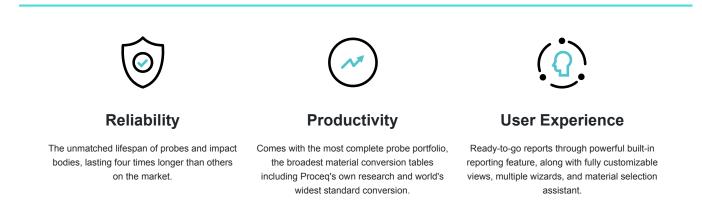




Hardness Testing Equotip 550 Leeb

Highly robust and advanced Leeb measuring system



Equotip 550 Platform Tech Specs

Equotip 550 Platform

PC Software

Language support

Platform	
Display	7" color capacitive touchscreen
Instrument protection	 IP54, fully rugged with shock absorbing casing, Scratch-resistant Gorilla® Glass screen protection, Circuit and connector protection against dust, debris, chemicals and voltage spikes Foldable additional screen cover for additional protection during storage and transportation
Memory	Internal 8 GB flash memory (>1'000'000 measurements)
Combination with another testing method	UCI, Portable Rockwell (PRT)
Connectivity	Ethernet & USB-B (PC connection), USB-A (PRT), Probe-specific slots
Battery	3.6V, Li-Ion, 14'000 mAh
Battery lifetime	> 10h (in standard operating mode)
Charging time	< 9h, < 5.5 h (External quick charger)
Power input	12V +/- 25% / 1.5A
Dimensions	250 x 162 x 62 mm / 9.87 x 6.37 x 6.44 in
Weight	1'525 g / 3.35 lbs. (incl. battery)
Humidity operation	<95% RH, non-condensing
Operating temperature	(-) 10°C + 50°C / 14°F – 122°F
Certification	CE, KC, FCC
Equotip 550 Software Features	 Automatic compensation for impact direction (except DL probe) Fully customizable reporting Customizable views Verification wizard Masurement wizard Mapping wizard Integration in automated testing environments (incl. remote control) Custom conversion curves (1-point, 2-point, polynomial) Built-in pdf creator
Conversion curves applicable for materials	 Steel and cast steel Work tool steel Stainless steel High alloy steel (Leeb D only: P/T91-92, 20Cr13, GH4145, C422, 630 grade, 616 grade) Grey Cast Iron (Lamellar, Nodular) Cast aluminium Brass Cu/Zn Alloys Wrought copper alloys
Languages	English, German, French, Italian, Spanish, Portuguese, Turkish, Chinese, Korean, Russian, Japanese, Polish, Czech
Regional settings	Metric and imperial units, multi-language and time-zone
Audio support	Full digital audio
<u>Desktop Software</u> (<u>Windows)</u>	

Equotip Link for data download, management and export (CSV, PNG), Conversion curve

management, and for upgrades of constantly expanding Equotip and Equotip Link Software English, Chinese, Czech,German, Spanish,

French, Italian, Korean, Japanese, Polish, Portugese, Russian, Turkish



Dimensions

Native Scale HLx (x=C, D, DC, DL, E, G, S) HB, HV, HRA, HRB, HRC, HS, MPA (σ1, σ2, **Conversion scales** σ3) Measurement range 100-999 HLx Tungsten carbide (D, DC, DL, G, C), Indenter Polycristalline diamond (E), Silicon Nitride (S) 90 Nmm (G) Impact energy / Test force 11 Nmm (D, DC, DL, S, E) 3 Nmm (C) Accredited calibration ISO/IEC 17025 ASTM A956 DIN EN ISO 16859 Standard compliance GB/T 17394 JB/T 9378 ASME CRTD-91 ASTM A370 Guidelines DGZfP Gudeline MC 1 VDI / VDE Gudeline 2616 Paper 1 Nordtest Technical Reports 99.12, 99.13, 99.36 ASTM E140 ISO 18265 Conversion standards DL/T 1845 (Leeb D only) Proceq's own conversion curves 1 HLx/HV/HB; 0.1 HRC/HRB/HS 1 N/mm 2 Measurement resolution (Rm) ± 4 HLx (0.5% @850 HLx) Measuring accuracy Measurement deviation (E) Lower than DIN EN ISO 16859 Coefficient of variation (R) Lower than DIN EN ISO 16859 Weight 57 g / 2 oz

41 mm x 20 mm x 147 / 1.61 in x 0.79 in x 5.79

Standards & Guidelines	Description
ASTM A 370	
ASTM A 956	
ASTM E 140	
DIN 50156	
DL/T 1845 (China)	People's Republic of China Power Industry Standard Test method for Leeb hardness of high-alloy steel for power equipment Test Method for Leeb Hardness of High-alloy Steels in Power Equipment Published by the National Energy Administration
GB/T 17394	
ISO 16859	
ISO 18265	
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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