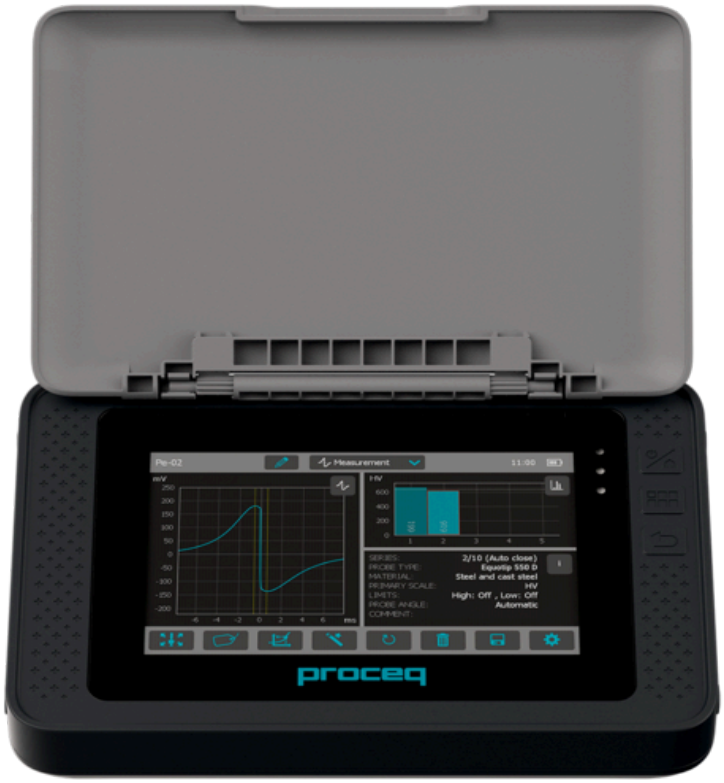
SCREENING EAGLE | proceq



Hardness Testing

Equotip 550 (platform only)

Highly robust and advanced measuring system

Reliability

The unmatched lifespan of probes and impact bodies, lasting four times longer than others on the market.

Productivity

Comes with the most complete probe portfolio, the broadest material conversion tables including Proceq's own research and world's widest standard conversion.

User Experience

Ready-to-go reports through powerful built-in reporting feature, along with fully customizable views, multiple wizards, and material selection assistant.

Instrument
Tech Specs

Native Scale	HLx (x: D, DC, DL, S, E, G, C)
Available Scales	HB, HV, HRA, HRB, HRC, HS, MPA (σ1, σ2, σ3)
Available Probes	Leeb D / DC / DL / S / E / G / C
Combination With Other Methods	Portable Rockwell, UCI
Average Roughness Ra (µm / µinch)	7 / 275 (Leeb G)
Minimum Mass (kg / lbs)	0.02 / 0.045 (Leeb C)
Minimum Thickness (mm / inch)	1 / 0.04 (Leeb C)
Instrument Firmware	Automatic compensation for impact direction Personalized user profiles and views Integration in automated testing environments (incl. remote control) 11 Languages and timezone supported Measurement wizards Custom curve wizard Combined method wizard User guidance features Custom report features
Custom conversion curves	Yes, 1-point shift, 2-point, polynomial
Pc Software	Equotip Link allowing direct reporting and custom reports
Display	7” color rugged touchscreen unit (800 x 480 pixels) with dual core processor
Memory	Internal 8 GB flash memory (> 1’000’000 measurements)
Connections	USB host / device and Ethernet
Verification according to	ISO 16859, ASTM A 956, custom method, combined method
Measuring Range	150 - 950 HL
Protection	IP54, fully rugged with shock-absorbing casing
Measuring Accuracy	± 4 HL (0.5% at 800 HL)
Coefficient of variation	± 4 HL (0.5% at 800 HL)

Standards & Guidelines	Description
ASTM A 370	
ASTM A 956	
ASTM E 140	
DIN 50156	
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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