Film & Paper Roll Hardness Testers

Equotip 550 Leeb U

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Performance

Rugged touchscreen designed to provide an exceptional user experience and best possible measuring and analysis for high performance.

Stability

Large crown for a safe and stable impact for fast and reliable hardness testing of paper, film, foil, textile, cardboard, and leather rolls

Versatility

Able to test hardness profile of paper, film and foil rolls

Equotip 550 Platform

Tech Specs

Equotip 550 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 - Measurement 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

Desktop Software (Windows)

PC Software	Equotip Link for data download, management and export (CSV, PNG), Conversion curve management, and for upgrades of constantly expanding Equotip and Equotip Link Software
Language support	English, Chinese, Czech,German, Spanish, French, Italian, Korean, Japanese, Polish, Portugese, Russian, Turkish

Instrument

Tech Specs

Display	7" color rugged touchscreen unit (800 x 480 pixels) with dual core processor
Instrument Firmware	Display and print out sophisticated roll hardness profiles Setting of hardness limits Display of hardness statistics Supporting barcode reader for fast, easy and reliable roll identification Verification wizard 11 languages and timezone supported
Display	7" color rugged touchscreen unit (800 x 480 pixels) with dual core processor
Memory	> 1'000'000
Connections	USB host / device and Ethernet
Contact Force	120 N
Spherical Test Calotte	Stainless steel 50mm (2") tip diameter (tip hardness 60 HRC)
Max.Material Penetration	4.0mm (0.15")
Resolution	1 LU; 1 R
Accuracy	+-6 LU (1% at 600 LU)

Standards & Guidelines	Description
TAPPI T 834	