parotester2

Accurate and Dependable Roll Hardness Testing

Maintain high quality standards for paper, foil and film roll hardness with the Parotester2

The Parotester2 can quickly and precisely diagnose roll imperfections, hardness inconsistencies and uneven winding, preventing problems for printing and converting operations. Portable and lightweight, the Parotester2 is perfect for roll hardness testing in the warehouse or on the production floor, providing an immediate visual assessment of the hardness profile.

Field-proven technology compares impact and rebound speeds, automatically calculating a hardness value (LU). Taking Leeb readings at 15 cm (6") intervals or closer across the surface of the roll will aid in detecting irregularities in roll winding quality.

Compliant with TAPPI T 834 om-07 testing standards, this device is especially useful in the paper industry where a lower impact energy is required. With this low impact energy, the Parotester2 is also ideal for testing foils, films and other plastic sheet materials.

Benefits to the customer

- Large LCD display provides an easy-to-read visual assessment of the hardness values.

- The high sensitivity (1-LU readability) diagnoses minute differences in roll hardness.

- This unit can store approximately 5,000 single measurements which can then be uploaded to your computer or sent directly to your printer.

- Individual settings can be stored for specific user requirements.

- Using the optional accessory barcode reader, roll identification numbers can be quickly captured from rolls and uploaded to the Parotester2.

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Technical Information Parotester2

Parotester2 and probe	
Testing method	Leeb rebound
Available probe	Type U
Contact force	120 N
Spherical test calotte	Stainless steel 50 mm (2") tip diameter (tip hardness 60 HRC)
Max. material penetration	4.0 mm (0.15")
Resolution	1 LU; 1 R
Accuracy	± 6 LU (1 % at 600 LU)
Parotester2 display unit	
Dimensions	175 x 180 x 80 mm (6.9 x 7.1 x 3.15 in.)
Weight	750 g (1.65 lb) (including batteries)
Material	Shock resistant ABS plastic
Display	Large LCD
Internal data storage	~ 5,000 values
Communication	RS 232C
PC application	Parolink 3 software (not included order separately); alternatively use HyperTerminal
Battery type	Standard size "AA" cells (LR6) for about 50 h operation at 20 °C (68 °F); alternatively use optional AC adapter
Operating temperature	0 to + 50 °C (32 to 122 °F)

Ordering Information

Unit   Part Number 36004400
Description
Complete Kit to start testing includes: - Display unit with carrying case and RS 232C interface   - Type U Impact Device with1.5 m BNC cable   - 6 batteries 1.5V, type LR 6   - Cleaning Brush   - Carrying Case   - Instruction manual

Optional Accessories

36004503	Test block for Parotester2
36004550	External bar code reader
36004580	Parolink 3 software with cable

Service and Warranty Information

Proceq is committed to providing complete support for the roll hardness testing instruments by means of our global service and support facilities. Furthermore, each instrument is backed by the standard 2-year and extended warranty options.

Standard warranty

Electronic portion of the instrument: 24 months. Mechanical portion of the instrument: 6 months.

Extended warranty

When acquiring a Parotester2, max. 3 additional warranty years can be purchased (for the electronic portion of the instrument). The additional warranty must be requested at the time of purchase or within 90 days of purchase.

Standards Applied

TAPPI T 834 om-07 (2007)

ISO 9001 proceq

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