

# Paper Roll Hardness Tester

## PAROtester 2



### INTRODUCTION

The PAROtester 2 paper roll tester allows for an objective and quick evaluation of the roll hardness, the hardness profile and the variation in hardness of paper, foil and film rolls. Automatic loading and unloading of the impact body by pressing the impact device to the roll results in fast and repeatable tests with more resolution than the commonly used Schmidt hammer test. The PAROtester 2 roll tester impact device is also designed for long service life.

User friendly electronics with a large display LCD display of the measuring data with statistical values adds to the benefits of the PAROtester 2 roll tester. Data can be printed out immediately on the optional RS-232 printer. Information (~5,000 single measurements) can also be stored internally by individual roll identification and can be sent to a PC or printed via the RS-232 connection.

### PRINCIPLE

Field-proven technology compares impact and rebound speeds, automatically calculating a hardness value (L). By taking readings at five to ten cm intervals across the roll, uneven winding or looseness can be readily detected.

### APPLICATIONS

Paper, Film, Foil, Printing, Graphic Arts

### FEATURES

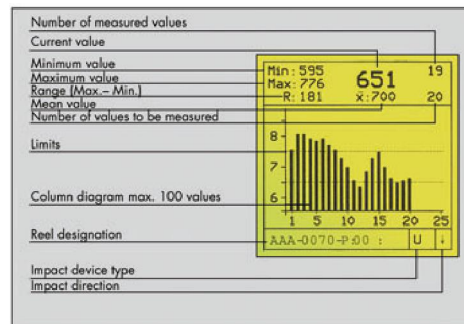
- Accuracy, User-friendly, Robust, Lightweight, Portable, Quick Readings
- A convenient carrying case provides safe, easy transport of these portable, lightweight units and accessories.

### SPECIFICATIONS

Hardness Scale: L value or L or R (Schmidt Hammer) value conversion  
 Measuring Accuracy:  $\pm 6 L$  (  $\pm 1\%$  at 600 L reading)  
 Power Supply: Six 1.5v type AA batteries or optional 120v AC adapter  
 Operating Temp. Range: 0 to +50°C

### INSTRUMENT SIZE

Case Dimensions: 18 x 14.5 x 4.25 in.  
 (457 x 368 x 108 mm)  
 Weight: 3.6 kg (8 lbs)



### ORDERING INFORMATION

**PAROtester 2 TMI 40-22-00**

### OTHER MODELS AVAILABLE

Recording Model TMI 40-20-01  
 Standard Display Model TMI 40-20-02  
 Digital Paper Roll Hardness TMI 40-21-00

**The TMI Group  
 of Companies**



[www.testingmachines.com](http://www.testingmachines.com)

**Testing Machines, Inc.** 2 Fleetwood Court, Ronkonkoma, NY 11779 USA  
 Tel: 800-678-3221 (USA) or (631) 439-5400, Fax: (631) 439-5420, e-mail: info@testingmachines.com

**Messmer Instruments Ltd.** Unit F1 Imperial Business Estate, West Mill, Gravesend, Kent DA11 0DL  
 UK Tel: +44 (0) 1474 566488, Fax: +44 (0) 1474 560310, e-mail: messmer@testingmachines.com

**Büchel BV** Fokkerstraat 24, 3905 KV Veenendaal, Netherlands  
 Tel: +31 (0) 318 521500, Fax: +31 (0) 318 540358, e-mail: buchel@testingmachines.com

**Adamel Lhomargy SARL Z.A.** de l'Habitat, Batiment 6, Route d'Ozoir, 77680, Roissy en Brie, France  
 Tel: +33 (0) 1 6440291, Fax: +33 (0) 1 64409211, e-mail: adamellhomargy@testingmachines.com

**TMI Canada** P.O. Box 203, Pointe Claire-Dorval, QC, H9R-4N9 Canada  
 Tel: (514) 426-5855, Fax: (514) 426-1557, e-mail: Canada@testingmachines.com