

# ROLL HARDNESS TESTERS

Non-destructive testing instruments profile paper, film, and foil roll quality for printing and converting.



50 years of know-how you can measure!

**proceq**

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# NON-DESTRUCTIVE TESTING



## Detect problem reels prior to use with the portable PAROtester2

Loosely wound rolls, caliper streaks, and excessive or uneven moisture can interrupt operations and cause quality problems in printing and converting operations. Lost time and wasted material can significantly reduce your profitability. To avoid these problems — and assure your product quality in paper, film, and foil processing operations — choose the PAROtester2 roll hardness tester for all of your testing needs.



The automatic display unit provides an immediate visual assessment of the hardness profile values — with an expandable display range of the critical test area. The unit can be easily programmed for individual user requirements, with these basic settings stored in the device. Stored data can also be transferred to a computer via the RS 232C interface.

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.

### Specifications

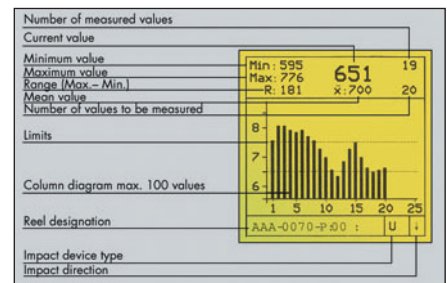
Hardness Scale:	L value or L to R (SCHMIDT Hammer) value conversion
Measuring Accuracy:	$\pm 6$ L ( $\pm 1\%$ at 600 L reading)
Power Supply:	Six 1.5v type AA batteries or optional 120v AC adapter
Operating Temp. Range:	0 to +50°C
Case Dimensions:	18 x 14.5 x 4.25 inches (457 x 368 x 108mm)
Weight:	Net 8 lbs. (3.6 kg); Shpg. 10 lbs. (4.5 kg)

### Ordering Information

36004400	PAROtester2 Roll Tester (Type U) – includes display unit, Type U impact device with cable, cleaning brush, carrying case, and instruction manual
	<i>Note:</i> Other impact devices are available to meet specific testing needs. Contact Proceq for details.

### Optional Accessories

36004503	Test block for PAROtester2 (Type U)
36004521	PAROLINK3 software with data transfer cable
350US002	Printer with cable, AC adapter, and 5 rolls of paper
350US012	Printer paper, pack of 5 rolls
350US001	Soft protective case with harness and strap for display unit
350US020	Display unit AC adapter, 120VAC, 50-60Hz



All display information at a glance.

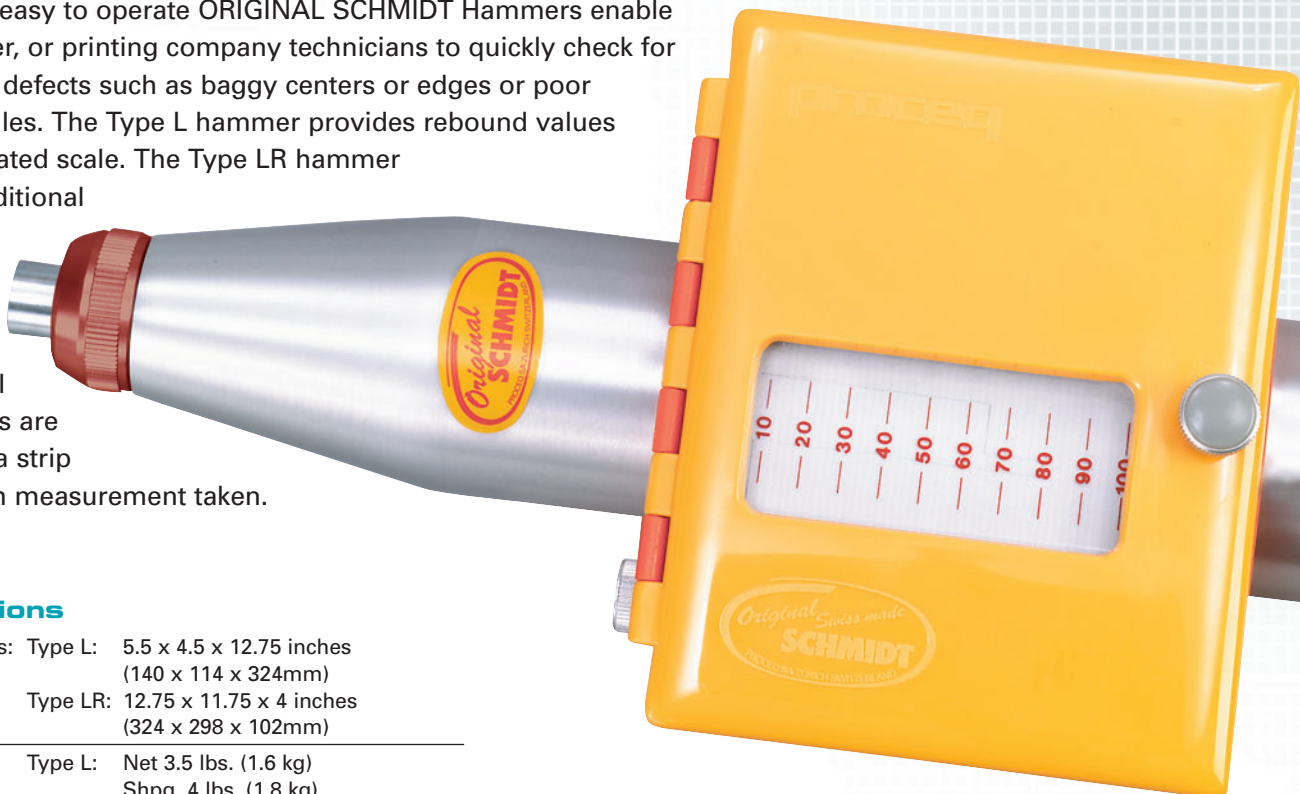


Portable, lightweight unit — complete with accessories — are packaged in a convenient carrying case.

# ASSURES QUALITY AND COST EFFECTIVE OPERATION

## Economical roll testing hammers provide easy to read quality checks

Inexpensive, easy to operate ORIGINAL SCHMIDT Hammers enable mill, converter, or printing company technicians to quickly check for common roll defects such as baggy centers or edges or poor winding profiles. The Type L hammer provides rebound values on the integrated scale. The Type LR hammer offers the additional feature of automatic recording, producing a bar graph roll profile. Values are recorded on a strip chart for each measurement taken.



### Specifications

Case Dimensions: Type L: 5.5 x 4.5 x 12.75 inches  
(140 x 114 x 324mm)

Type LR: 12.75 x 11.75 x 4 inches  
(324 x 298 x 102mm)

Weight: Type L: Net 3.5 lbs. (1.6 kg)  
Shpg. 4 lbs. (1.8 kg)

Type LR: Net 6 lbs. (2.7 kg)  
Shpg. 7 lbs (3.2 kg)



A convenient carrying case provides safe, easy transport of these portable, lightweight units and accessories.

### Ordering Information

31003000 SCHMIDT Test Hammer (Type L) – includes carrying case and instruction manual

31004000 SCHMIDT Test Hammer (Recording Type LR) – includes carrying case, 3 rolls of registration paper, and instruction manual

### Optional Accessories

31009040 Verification/user calibration anvil

31099072 Registration paper pack of 5 rolls