

LTL-LAB MASTER[®] TENSILE TESTER 84-91



FEATURES

- Integral Windows™ PC with touch-screen flat panel display in a compact, network-ready unit
- Includes Test Method Wizard™ software for fast test set-up
- Graph test results and display calculated values
- Break detection for faster test cycles
- Configure for R&D analysis or one-touch automated process control
- Interface to standard fixtures; custom fixtures available
- RS-232 output, printer, Ethernet



The LTL-Lab Master[®] Tensile Tester provides precise, repeatable measurement of compression, elongation, peel, stress-relaxation and tensile measurements up to 250 lbf (1100N). Resolution to 0.01 lbf in 250 lbf. Thousands of data points per test are used to generate force/distance curves and perform calculations that document the material's behavior during test.

APPLICATIONS

Adhesives, electronics, film, foil, medical products, nonwovens, paper, paperboard, plastic, rubber, textiles, tissue, wire and more.

LTL- LAB MASTER TENSILE TESTER

SPECIFICATIONS

Model 84-91-00-0001

Force (tension and compression)

Maximum	250 lb (±1100N) Other force ranges available
Resolution	1:26000
Accuracy	±0.5% or better of load cell capacity tension or compression Exceeds the requirements of ISO 7500-1 Class 0.5
Overload Rating	150%
Available with interchangeable load cells	Lbf 10, 25, 50, 100, 150, 250 N 45, 110, 225, 445, 670, 1100 (Metric load cells available)

Travel and Position

Travel (maximum)	39.37 in (10 cm)
Position Resolution	0.00004 in (0.1 µm)

Speed

Range	0.0001 to 40 in/min (.025 to 1016 mm/min) steady state
Accuracy	better than 0.05%
Throat depth	3.3 in (82 mm)
Number of Repeat Cycles	50 steps
Data Acquisition rate	2 kHz
Display TFT flat panel touch screen	12 in (30.5 cm)
Computer	Integrated Windows™ PC. No additional software or interface to external PC required

Environmental Range

Temperature (operating)	5°C to 35°C (40°F to 95°F)
Temperature (storage)	-20° to 55°C (-4°F to 130°F)
Humidity (operating and storage)	10% to 85% non-condensing
Weight	140 lb (65 kg)
Dimensions (W x D x L)	19.25 in x 21 in x 67 in (49 cm x 53 cm x 170 cm)
Working Surface Height	11.5 in (29 cm)

Electrical

Supply voltage	110-120 V nominal ±10%, 220-240V nominal -5%, ±10%
Current (max.)	10 Amperes
Frequency	50/60 Hz

Main Headquarters

Testing Machines Inc.
2 Fleetwood Court
Ronkonkoma, NY 11779
Tel: (631) 439-5400
Fax: (631) 439-5420
Info@testingmachines.com

Messmer Instruments
Unit F1 Imperial
Business Estate
West Mill, Gravesend
Kent DA11 0DL UK
Tel: +44 (0) 1474 566488
Fax: +44 (0) 1474 560310

Büchel BV
Fokkerstrat 24,
3905 KV
Veenendaal,
Netherlands
Tel: +33 (0)318 521500
Fax: +33 (0)318 5400358

**Lako Tool and
Manufacturing Inc.**
7400 Ponderosa Road
Perrysburg, Ohio 43552
Tel: (419) 662-5256
Fax: (419) 662-8225

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777
Tel: (508) 679-5364
Fax: (508) 679-5396
Information@
lawsonhemphill.com

**Adamel Lhomargy
SARL**
Z.A. de l'Habitat,
Bâtiment 6 Route
d'Ozoir, 77680
Roissy en Brie, France
Tel: +33 (0) 1 6440291
Fax: +33 (0) 1 64409211

TMI Canada
P.O. Box 203
Pointe-Claire Dorval
QC, H9R-4N9 CAN
Tel: (514) 426-5855
Fax: (514) 426-1557



www.testingmachines.com

www.lakotool.com

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