



Model LF100 Low Force Tester



LF100 Low Force Test Unit



Fig 1. Testing sutures is just one of the many applications of the LF100.



Fig 2. Indicating pull down menu for easy access to stored results.



Fig 3. Display indicating one test at a target value of 40N with one failure – main display shows this failure at 33.65 N

Key Features

- Force Ranges of 0–10 N or 0-100N
- Other capacities available up to 1,000N
- Force measurement accuracy of +/- 0.1%
- Conforms to BS1610 grade 1 or 0.5
- Pass/Fail indicators that are both visual and audible.
- Digital and analog interfaces
- Datalogging to a printer of computer
- 1000 results stored on internal memory, including product number
- User programmable product number identification.
- High speed test throughput
- Low cost, rugged, extremely simple to operate.

Technical Specifications

Max Force		100N
Force Ranges		0-10N and 0-100N
Resolution		10N range = 0.005N, 100N range = 0.05N
Sampling Rate		1kHz
Accuracy		0.02% FSD
Display	Force	63mmx44mm LCD
	Product Information	5 digit
	Count Information	6 digit, numeric only
	Fail Count Information	6 digit
	Target Information	6 digit
Pull Down Menus	Void Test	Enables user to discard the test
	Product Number	Enables user to enter product identification code
	Test Results	Enables user to display, print or output stored results
	Reset Counter	Enables user to set proof load target (up to 10 can be stored)
	Settings	Enables user to set calibration mode and threshold values
Indicators		Pass - Fail LEDs with two-tone alarm
Memory		Unit will automatically measure and store up to a maximum of 1000 failed results including product identification, number of tests completed and target value.
Digital Output		Bidirectional RS232. Facility for optional printer or computer
Safety		300% overload protection of loadcell. Off center load +/- 250mm
Power		30W at 220/205 VAC 110/125VAC, 50/60Hz, single phase
Dimensions	WxDxH	150 x 260 x 110 mm
Weight		2.5 kg

Options:

- Analog output card, 0 – 1V output, 500Hz bandwidth
- Higher force capacities 200N, 500N and 1000N.
- Remote loadcell facility.



1065 Easton Road, Horsham, PA 19044 USA
 (215) 675-7100 Fax (215) 441-0899
 www.TiniusOlsen.com info@TiniusOlsen.com

6 Perrywood Business Park, Honeycrock Lane,
 Salfords, Redhill, Surrey RH1 5DZ England
 +44 (0) 1737 765001 Fax +44 (0) 1737 764768

Contact Your Local Representative: