



Model LF100 - Low Force Tester



Specifications

Maximum Force	100N
Resolution	0.05N
Sampling Rate	1kHz
Accuracy	0.02% FSD
Display	63mmx44mm LCD
Force	5 digit
Product Information	6 digit, numeric only
Count Information	6 digit
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

Key Features

- Force Ranges of 0–100 N
- 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 or 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.

Options:

- Analog output card, 0 – 1V output, 500Hz bandwidth
- Remote loadcell facility.



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



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