

MARK-10

ESM

- TENSION & COMPRESSION
- CAPACITY: 200 lbf/100 kgf/1000 N
- DIGITAL FORCE & TRAVEL DISPLAY
- STEPPER MOTOR DRIVE
- CONSTANT SPEED UNDER LOAD
- OVERLOAD PROTECTION
- ECONOMICAL PRICE: \$2300



ESM
Motorized Force Test Stand

Made in America, the ESM provides tension and compression testing to 200 lbf / 100 kgf / 1000 N with a precision stepper motor preventing speed variation under load for excellent test repeatability.

Force data is displayed by digital force gauges with computer output and many other features.

Options Include:

- **Digital Travel Display** - 6" [152 mm] travel, 0.0005 [0.01 mm] resolution with computer interface for automated data collection.
- **Travel Limit Switch Kit** - Set of adjustable upper and lower limit switches with solid state control, repeatable within 0.001" [0.03 mm].

CONSTRUCTION

- Stainless steel columns and stepper motor drive.
- Column length: 22" [560 mm]; other lengths available.
- Removable base plate with pattern of 25 #10-32 threaded holes.
- Manual fine adjustment knob for set-up positioning.
- Maximum vertical clearance: approx. 14" [355 mm] depending on gauge.
- Maximum vertical travel: 13" [330 mm].
- Maximum horizontal clearance: 3" [75 mm].
- Speed range: 0.5 - 13 in/min [13 - 330 mm/min].

OPERATION

- Remote console for up/down and variable speed control.
- Stepper motor for no speed variation under load.
- Compression testing with 2" [50 mm] diameter plate.
- Tension testing with force gauge and test stand hooks.

ACCESSORIES

- Small and large hooks, 2" [50 mm] diameter compression plate, force gauge mounting and tool kit.

WEIGHT & DIMENSIONS

- 17 lb. [8 kg] • 22" [560 mm] H x 10" [255 mm] W x 6" [150 mm] D

MODEL	DESCRIPTION	PRICE
ESM	Motorized Test Stand - 200 lbf / 100 kgf / 1000 N	\$2300
ESM001	Digital Travel Display 6" x 0.0005" [150 mm x 0.01 mm]	750
MRS100A	Communication Adapter - ESM001 to PC	265*
ESM002	Travel Limit Switch Kit - Upper/Lower	450

* Includes 09-1066 Cable, ESM001 to MRS100A.

MODEL	FORCE GAUGES	PRICE
M4-XXX	Mark-10 Digital Force Gauge 2 - 100 lbf/1 - 50 kgf	\$795*
M4-200	Mark-10 Digital Force Gauge 200 lbf/100 kgf/1000 N	945*
09-1163	Cable, RS232 - M4 to PC	75
09-1165	Cable, USB - M4 to PC/Replacement	30**

* Refer to force gauge pages for model numbers and specifications.

** Includes cable, driver, manual and MESURLite software on a CD.

MODEL	FORCE TESTING SOFTWARE	PRICE
15-1004	MESURgauge Force Testing Software	\$495*

* Feature rich force testing software - force vs. distance analysis.

Prices and specifications are subject to change without notice.

CALL US TOLL FREE 800-345-4188

