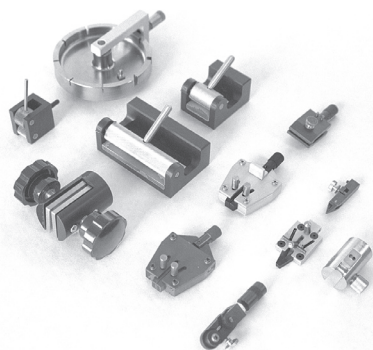


### MOTORIZED **FORCE TESTER** 200 lbf

- **MOTORIZED TESTING TO 200 LBF**
- **TENSION & COMPRESSION**
- **CONSTANT SPEED UNDER LOAD**
- **LARGE TESTING AREA**
- **OVERLOAD PROTECTION**
- **ECONOMICAL PRICE: \$2500**



ESM shown with Mark 10 force gage  
(sold separately)



Complete selection of gripping fixtures  
are available

The American made Model ESM provides smooth speed control of **tension and compression** forces up to **200 pounds** with a **precision stepper motor** that prevents speed variation with load. This provides **excellent test repeatability** unavailable on other economical test stands.

The versatile ESM features **adjustable speeds** from 0.5 to 13 in/min (13 - 330mm/min) controlled by a **remote console**, an added safety feature. A **manual fine adjustment** handwheel provides ease of test set-up. A universal **80-250 VAC power supply** is standard.

A **broad selection of force gage capacities** is available for use with the ESM from 0.12 to 200 lbf.

The generous testing area provides **3" horizontal clearance** from the column, maximum **14" vertical clearance** and **13" maximum travel**. A removable **baseplate with 25 threaded holes** is provided for mounting fixtures.

#### Options Include:

- **Digital Travel Display** - 6" (152 mm) travel, 0.0005 resolution and computer interface for automated data collection.
- **Travel Limit Switch Kit** - Set of adjustable upper and lower mechanical limit switches with solid state control.
- **Force Overload Protection Module** - Adjustable protection from 20% - 110% of force gage capacity against accidental overload of the gage.
- **Force Set Point Cable** - Stops travel at high and low force set points for tension and compression force; programmable on force gage keyboard.

#### CONSTRUCTION

- Remote console for up/down and variable speed control.
- Position adjustment knob for fine manual adjustment of load beam position.
- Stainless steel columns, hand wheel and removeable base.
- 22" column length is standard.
- Column to gage center line clearance: 3"
- Maximum vertical clearance: approx. 14" depending on gage.
- Maximum vertical travel: 13".
- Compression testing with 2" diameter compression plate.
- Tension testing with force gage hook and hook supplied with stand.
- Removeable baseplate with pattern of 25 #10-32 threaded holes.

#### OPERATION

- Stepper motor with universal 80 - 250 VAC power supply for 0.5 - 13 in/min. (13 - 330 mm/min.) with no speed variation under load.

#### ACCESSORIES

- Included: 2" diameter compression plate. 2 hooks (small and large) and mounting adapter for Mark 10 force gages.
- Optional: Digital travel display, limit switches, overload protection, set point cable and gripping fixtures.

**WEIGHT & DIMENSIONS:** Weight: 17 lb. Dimensions: 22" H x 10" W x 6" D.

MODEL	DESCRIPTION	PRICE
ESM	Motorized 200 Pound Capacity Tester - 110/220V	\$2500.00
ESM001	Digital Travel Display 6" x 0.0005"	600.00
ESM002	Limit Switch Kit	400.00
11-1042	Overload Protection Module for BG	150.00
09-1090	Set Point Cable - BG	100.00
ESM003-1	Column Extension - 6"	150.00
ESM003-2	Column Extension - 12"	175.00
ESM003-3	Column Extension - 24"	200.00

#### COMPATIBLE FORCE GAGES

BG XXX	Force Gages - 2 lbf thru 200 lbf	\$995.00 - \$1145.00
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NOTE: See Mark 10 BG/EG Force Gage catalog page at [wagnerinstruments.com](http://wagnerinstruments.com) or call for a fax copy.

Prices and specifications are subject to change without notice.

[www.wagnerinstruments.com](http://www.wagnerinstruments.com)

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