



MANUAL

FORCE TESTER

100 lbf

- CAPACITIES TO 100 lbf/50 kgf/500 N
- TENSION & COMPRESSION
- COMPACT TEST STAND
- LEVER OR HANDWHEEL
- OPTIONAL TRAVEL DISPLAYS
- ECONOMICAL PRICE



ES10
Manual Lever
Force Test Stand

Shown with optional force gage & grips



ES20
Manual Handwheel
Force Test Stand

Shown with optional force gage & grips

Made in America, the **ES10** and **ES20** Manual Force Test Stands are **compact and economical** solutions for compression and tensile testing of small samples. Choose between **ES10** lever for **quick-action** or **ES20** handwheel testing for **precise control**. Optional **dial or digital indicator kit** displays up to 1" of travel. Use these stands with force gauges and grips to create complete manual testing systems.

CONSTRUCTION

- Rugged and exceptionally rigid steel columns.
- Maximum vertical clearance: 9" [229 mm] depending on gauge.
- Maximum vertical travel: 9" [229 mm] for ES10 and ES20.
- Column to gauge load shaft clearance: 3" [76 mm].
- ES10 lever travel rate: 1.05" [26.7 mm] per lever revolution.
- ES20 handwheel travel rate: 0.06" [1.5 mm] per wheel revolution.
- Optional base plate with pattern of 25 #10 - 32 threaded holes.

OPERATION

- Tension and compression measurements with quick action ES10 lever or precise control ES20 handwheel operation.

ACCESSORIES

- Force mounting for M3, M4, M5, MG or FDIX force gauges.
- Optional: A wide range of gripping fixtures, base plate with pattern of threaded holes and dial or digital travel display.

WEIGHT & DIMENSIONS

- ES10 & ES20 Test Stand - 10 lb [4.5 kg].
- ES10 Dimensions: 13.3" [337 mm] H x 6" [152 mm] W x 10" [254 mm] D.
- ES20 Dimensions: 17" [431 mm] H x 6" [152 mm] W x 10" [254 mm] D.

MODEL	DESCRIPTION	PRICE
ES10	Test Stand, Lever, 100 lbf/50 kgf Capacity	\$495
ES20	Test Stand, Handwheel, 100 lbf/50 kgf Capacity	595
ES001	Dial travel display, 1" x 0.001"	140
ES002	Digital travel display, 1" x 0.0005	325
14-1068	Base plate - 25 #10-32 Hole Pattern	75

MODEL	FORCE GAUGES	PRICE
M3-XXX	Mark-10 Digital Force Gauge, 0.12, 0.25, 0.5 lbf	\$775*
M3-XXX	Mark-10 Digital Force Gauge, 2 - 100 lbf	625*
09-1165	Cable, USB, M3 to PC, Replacement	30**
FDIX XXX	Wagner Digital Force Gauge 2 - 100 lbf	650*
FDIX/CA210	Cable, USB, FDIX to PC, Male A, Replacement	30**
FDIX/CA120	Cable, RS232, FDIX to PC, 9 pin	75**

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

** Included with M3 and FDIX; USB cable and MESURLite data collection software.

MODEL	FORCE TESTING SOFTWARE	PRICE
15-1004	MESURgauge Force Testing Software	\$495*
XXXX	MESURLite Data Collection Software	NC**

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

NOTE: 1) MESURgauge DEMO download available at: www.mark-10.com
2) MESURLite download available at: www.mark-10.com

Prices and specifications are subject to change without notice.

CALL US TOLL FREE 800-345-4188



MANUAL FORCE TEST STAND