

**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 M5, MG or FDIX force gauge.
- 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 holes	75

MODEL	FORCE GAUGES	PRICE
MG-XXX	Mark-10 Digital Force Gauge, 0.12, 0.25, 0.5 lbf	\$675*
MG-XXX	Mark-10 Digital Force Gauge, 2 - 100 lbf	545*
FDIX XXX	Wagner Digital Force Gauge 2 - 100 lbf	650*
FDIX/CA110	Cable, RS232, FDIX to PC, 9 pin	75
FDIX/CA-USB	Cable, RS232 to USB	35**

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

\*\* Includes cable, driver and manual on a CD; converts RS232 to USB.

**NOTE:** FDIX/USB computer operation requires FDIX/CA110 and FDIX/CA-USB.

MODEL	FORCE TESTING SOFTWARE	PRICE
15-1004	MESURgauge Force Testing Software	\$495*
FDIX/KI	Key Injector Software - PC Software Link	50**

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

\*\* Links data received at PC port to operational software, e.g., Excel, etc.

Prices and specifications are subject to change without notice.

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

**CALL US TOLL FREE 800-345-4188**



MANUAL FORCE TEST STAND