

FGS-250W Manual Hand Wheel Test Stand Operation Manual



CAUTION

The rated load of the test stand is 250 lb (125 kg). The maximum displacement is 9" (230 mm) without optional tensile tester. Do not overload or damage to the test stand can occur.

Do not use the test stand in water or oil or allow any liquids to get into the moving mechanisms of the stand. Improper operation and malfunction will result.

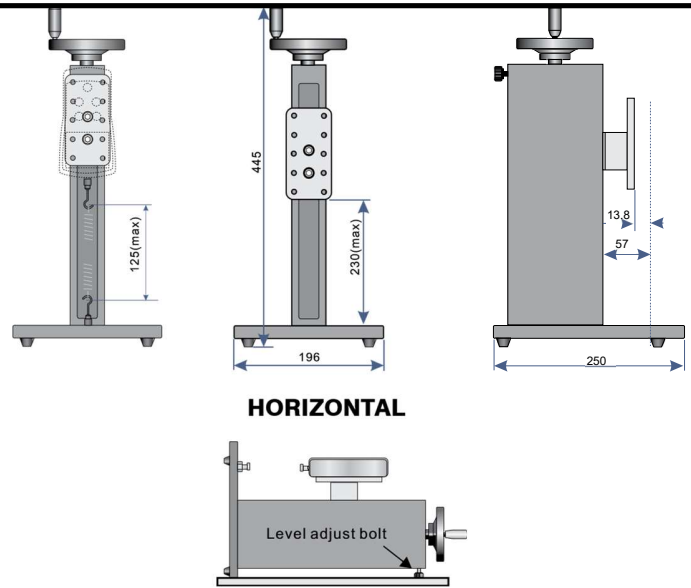
Do not disassemble, repair or alter the test stand. Warranty will be voided and damage may result.

The FGS-250W Manual Hand Wheel Operated Test Stand is specifically designed for tensile and compressive force testing and destructive or failure testing for research applications in a multitude of industries.

The FGS-250W movement is created from a trapezoidal screw drive with integral nut. Combined with its top-mounted wheel that smoothly turns with minimal effort, fine, stable resolution is achieved during operation.

The FGS-250W offers dual functionality by being able to be used in either the vertical or horizontal positions with no added equipment required. Simply lay unit on its back and level with the adjustment screw and you now can run horizontal tests.

Optional accessories include a Digital Scale and a Tensile Frame adapter kit which enables extended clearance for tensile tests.



SPECIFICATIONS

Capacity: Up to 250 lbf (125 kg); 143 lbf (65 kg) with optional Tensile frame.

Travel: 0.12" (3 mm)/turn

Stroke: 9" (230 mm) max.; 10.24" (260 mm) max. with Tensile Frame kit.

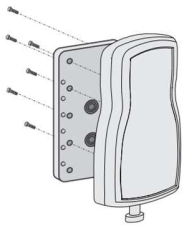
Dimension: 9.8 x 7.7 x 17.5" (250 x 196 x 445 mm)

Weight: 15.4 lb (7 kg)

Warranty: 1 year

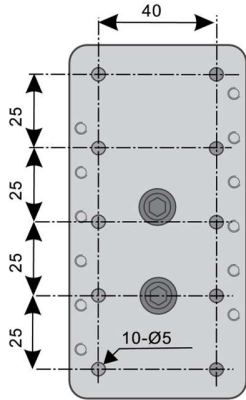
Included Accessories: M6 Adapter Screw (1), Force Gauge Mounting Screw M4 x 16 (6)

HANDLE

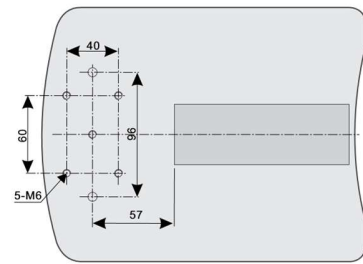


FORCE GAUGE

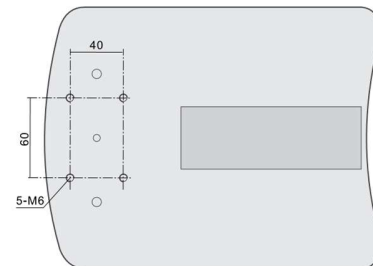
GAUGE MOUNTING PLATE



BASE PLATE



MOUNTING



FIXTURE ATTACHMENT

INSTALLATION FOR OPTIONAL TENSILE FRAME
Capacity: 143 lbf (65 kg)
Dimensions: 4.4 x 0.55 x 17" (112 x 14 x 433 mm)
Included Accessories: Screw M6 x 25 (3), Hook (1)

INSTALLATION FOR OPTIONAL DIGITAL SCALE FGS-250W-TFK

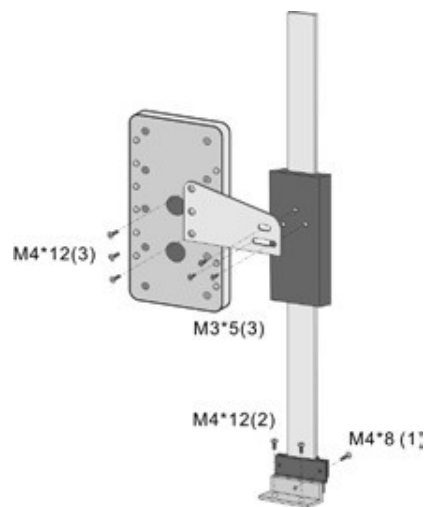
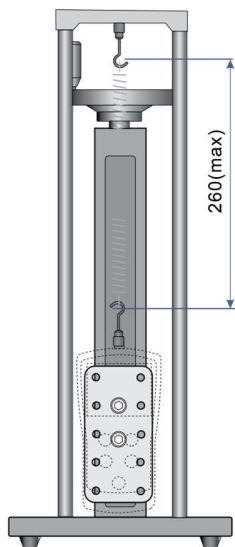
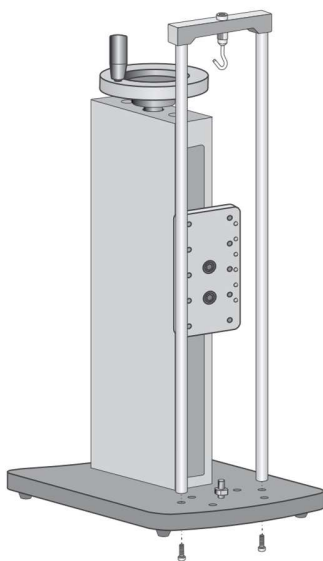
Measure Range: 7.87" (200 mm)
Resolution: 0.0005" (0.01 mm)
Repeatability: 0.0004" (0.01 mm)

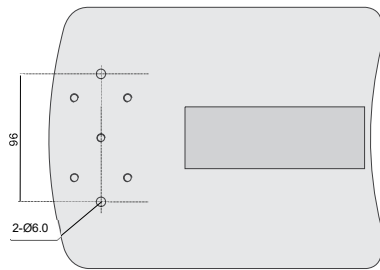
FGS-250W-DSK

Power Supply: Button cell SR44 1.55 V

Work Conditions: 32 to 104°F (0-40°C), <80% RH

Included Accessories: Joint Plate (1), Mounts (1), Screw M3 x 5 (3), Screw M4 x 16 (2)





MOUNTING

