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Series F + EasyMESUR®

QUICK START GUIDE

FORCE TESTERS

Models: F105-EM / F305-EM / F505-EM / F505H-EM
 F755-EM / F755S-EM / F1505-EM / F1505S-EM



Thank you!

Thank you for purchasing a Mark-10 Series F + EasyMESUR® Force Tester. With proper usage, we are confident that you will get many years of great service with this product. Mark-10 instruments are ruggedly built for laboratory and industrial environments.

Please read through this quick start guide and the complete user's guide before use.

INCLUDED ITEMS

Models F105-EM / F305-EM / F505-EM / F505H-EM

Qty.	Description
1	Control panel with mounting hardware
1	Mounting bracket, column end (F505H only)
1	Accessories kit: #10-32F small hook, #10-32M medium hook, #10-32F 2" diameter compression plate, #10-32 F/F coupler, 5/16-18M to #10-32F adapter, #10-32 x 3/4" set screw (3), #10-32 hex nut (3), and an Allen wrench set
1	Power cord

Models F755-EM / F755S-EM / F1505-EM / F1505S-EM

Qty.	Description
1	Control panel with mounting bracket and hardware
1	Eye end kit for base
2	Lock ring for eye end
2	Spanner wrench
1	Power cord
1	Allen wrench set



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SETUP

Place the test frame on a clean, flat and level work area free from vibration. Ensure that the rear of the column is easily accessible to connect the power cord and connection cables. To prevent tipping, especially if a column extension is installed, it is suggested to mount the test frame to a work bench via screws fastened into the underside of the base. Connect the power cord to an outlet.

INSTALLING A FORCE SENSOR TO THE TEST FRAME



Series FS05 Force Sensors

Series FS05 force sensors mount directly to the crosshead of test frames with capacities up to 500 lbF / 2.2 kN. Match the gold-plated pads on the top surface of the load cell block with the pins in the underside of the crosshead, as shown at left.

Tighten the screw that joins the crosshead to the force sensor. Optionally cover the screw head with the included black plastic cap. For instructions on installing **Series FS06 Force Sensors**, refer to the user's guide.



Series R07 Force Sensors

Series R07 force sensors mount directly to the crosshead of test frames with capacities up to 1,500 lbF / 6.7 kN.

Install the sensor to the underside of the crosshead using the supplied socket head screw and hardware, as shown at left. Plug the connector into the receptacle in the top front surface of the crosshead, then fasten the two thumbscrews. Grips and fixtures may be threaded onto the underside of the sensor.

MODEL F505H COLUMN END CAP ASSEMBLY



The end cap is shipped in a separate box within the main box for the Model F505H test frame. Line it up with the right end of the column, then install with the four included screws, as shown at left.

INSTALLING THE CONTROL PANEL



The mounting arm is pre-installed into the front right slot in the test frame column via two screws. Loosen the knob sufficiently to slide the ball, mounted to the rear of the tablet, into the arm. Adjust the viewing angle as desired, then tighten the knob.



Connect the coiled cable to the connector marked **CONTROL PANEL** on the back of the test frame.



After turning on power to the test frame, the control panel will start booting up. An LED in the upper right corner will flash until the welcome screen appears.