



MARK-10 F Series F105 Advanced Test Frames User Guide

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MARK-10 F Series F105 Advanced Test Frames



Quick Start Guide

FURTHER INFORMATION

- User's Guide

www.mark-10.com/downloads/product-downloads/manualSeriesF.pdf



- Download user's guides, data sheets, software, solid models, and more.

www.mark-10.com/downloads



Thank you!

Thank you for purchasing a Mark-10 Series F Test Frame. 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 many years of service in

laboratory and industrial environments.
Please read through this Quick Start Guide and the complete User's Guide before use.



IN THE BOX

| Qty. | Description |
|------|--|
| 1 | Control panel, mounting bracket, and hardware (-IMT models only) |
| 1 | Mounting bracket, column end (F505H only) |
| 1 | USB flash drive containing software installation files (-IM models only) |
| 1 | USB dongle (-IM models only) |
| 1 | USB cable -IMT models: right-angle C to B -IM models: A to B |

| | |
|---|--|
| 1 | <p>Accessories kit:</p> <ul style="list-style-type: none"> • #10-32F small hook- #10-32M medium hook • #10-32F 2" diameter comp. plate • #10-32 M/F 2" extension rod • #10-32 F/F coupler • Adapter, 5/16-18M to #10-32F • Set screw, #10-32 x 3/4" (3) • Hex nut, #10-32 (3) • Allen wrench set |
| 1 | Power cord |

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.

Set up

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



Series FS05 force sensors mount directly to the crosshead. 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.

INSTALLING THE CONTROL PANEL (-IMT MODELS)

CONTROL PANEL (-IMT MODELS)

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.

Series FS05 force sensors mount directly to the crosshead. 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.

Test frame part numbers ending in “-IMT”, for example Model F305-IMT, include a Windows tablet with attached ball mount and mounting bracket, packaged separately. 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. Orient the tablet horizontally, with the USB-C port positioned on the left side. Adjust the viewing angle as desired, then tighten the knob.



Connect the included USB cable between the USB-C port and the USB-B port in the rear of column, and connect the AC adapter connector.

Plug in the AC adapter and press the Power button, in the lower right corner of the tablet. The tablet will boot up directly into the IntelliMESUR application. If not, select the IntelliMESUR icon in the Windows home screen.

Documents / Resources



[MARK-10 F Series F105 Advanced Test Frames](#) [pdf] User Guide
F Series, F105, F305, F505, F505H, Advanced Test Frames

References

- [M Mark-10 Force and Torque Measurement](#)
- [M Resources | Mark-10 Force and Torque Measurement](#)

Manuals+.