



S. A. Meier Co. of Milwaukee, Inc.

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Product Information

By: KRD

Coefficient of Friction Systems

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S. A. Meier Co. of Milwaukee, Inc. offers and supports specifically configured and designed Coefficient of Friction (COF) test systems. All systems are turnkey and display the end result in COF units. Additionally, we provide full calibration and repair service for these systems and can customize to fit you application. These systems are designed to meet COF test methods ASTM D 1894, TAPPI T549, and ISO 8294 and others.

The load sensor mounted vertically and the sled is pulled horizontally through a turning block. The SAMCOF 1 has a very small foot print freeing valuable counter space. Although the systems are supplied as a turnkey COF test system they are more versatile because the fixture can be removed and the stand used for other compression and tensile testing applications.

SAMCOF 1




- Adjustable speed 0.5-13 in/min, extended range option 0.5—45 in/min
- Selectable units: COF, lbF, kgF, gF, ozF N
 - * User configurable unit option avail
- Displays Static and Kinetic COF simultaneously
- Visual Indication of test status, pass/fail, and configurable alarms
- User assignable passwords
- 200 gram sled
 - * Other masses are available
- Removable fixture, test frame can be used for other tension and compression testing
- Programmable Kinetic period
- Removable gauge for easy calibration
- Electronic data output ports
- Overload protection
- 1000 gram standard indicator capacity
 - * Options to 5000 grams
- Test frame rated to 300 lbF
 - * Available indicators to 300 lbF
- Heated platen option



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Product Information


FT1



The image shows the Lloyd Instruments FT1 tribometer, a vertical testing machine. It features a black base with the Lloyd Instruments and AMETEC logos. A vertical column supports a sled and a sample. A control panel with a color LCD screen and a keypad is attached to the side. A wooden table is positioned in front of the base.

FT1

- Adjustable speeds standard range 0.0004-80 in/min
- Displays Static and Kinetic COF and one additional unit simultaneously
- Can program up to 10 different tests in self-contained tester
- Can be configured as a universal test machine with by using Nexygen software extending the number of tests programmed to almost unlimited
- Visual indication of test status, pass fail, and configurable alarms
- User assignable passwords
- 200 gram sled
- Programmable averaging period and trigger
- Plug and play load cell
- USB data output
- +/- 0.5% of reading accuracy
- Heated Platen option available

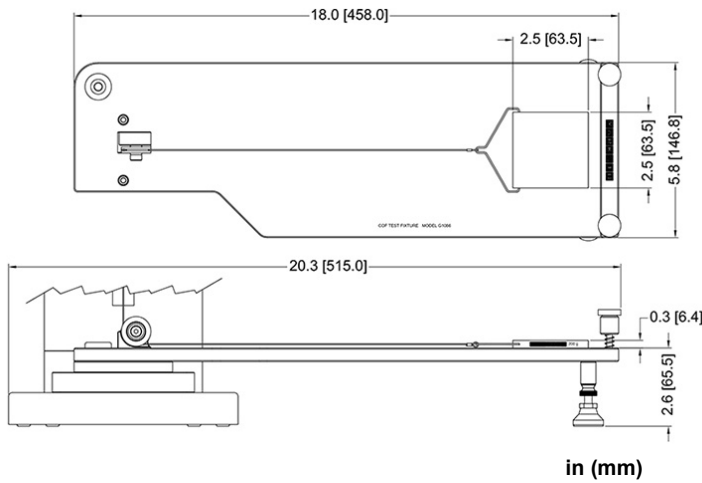


The image shows a close-up of the LCD screen displaying test results for Sample 2. The screen is blue with white text. Below the screen are four blue arrow buttons pointing up.

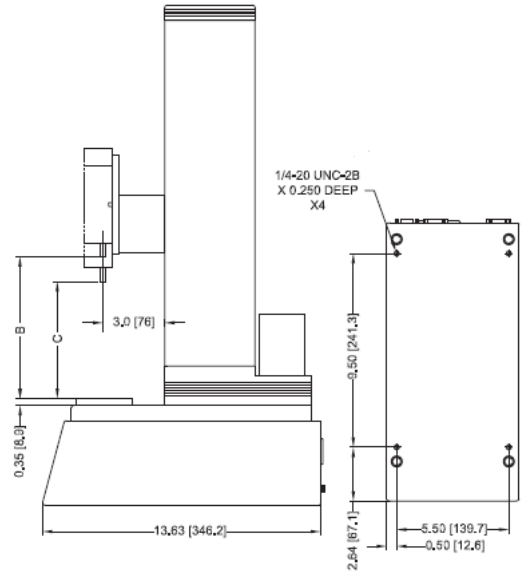
Sample 2			
COF S	COF K	Pk Load	Avg Load
0.444	2.105	88.849f	420.989f
Print	Stats	Accept	Cancel

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SAMCOF1

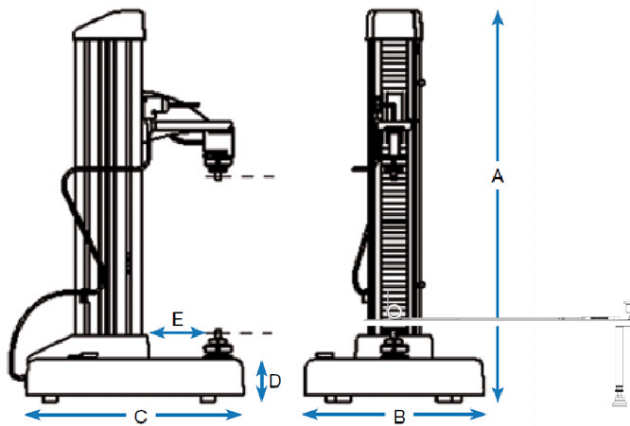


COF test bed



Test Frame

FT1



Dimensions

A	Height (standard travel)	1001 mm (39.4 in)
A	Height (extended travel)	1301 mm (51.2 in)
B	Width (excluding console)	460 mm (18.1 in)
C	Depth	557 mm (21.9 in)
D	Base Height	108 mm (4.3 in)
E	Throat Depth	180 mm (7.1 in)

B is 714 mm (28.1 in) with cof test fixture installed

