

Product Information

By: KRD


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Coefficient of Friction Systems

S. A. Meier Co. of Milwaukee, Inc. offers and supports specifically configured Coefficient of Friction (COF) test systems. All systems are complete and display the end result in COF units. In addition we provide full calibration and repair service for these systems. All systems are designed to meet COF test methods ASTM D1894, TAPPI T549, and ISO 8294 and many others.

There are two distinct type of systems available, horizontal, where a 200 gram sled is pulled in line with a load sensing device and vertical, where the load sensing device is mounted vertically and the 200 gram sled is pulled horizontally through a turning block. Vertical systems tend to have a smaller foot print and are more versatile because the fixture can be removed and the stand used for other compression and tensile tests.

Vertical COF Systems



SAMCOF 1

- Adjustable speeds standard range 0.5 -13 in/min, extended range 0.5 – 45 in/min
- 5 Selectable units: COF, LbF, KgF, gF, and N
- Displays Static and Kinetic COF simultaneously
- Visual indication of test status, pass fail, and configurable alarms
- User assignable passwords
- 200 gram sled
- Removable fixture, test frame can be used for tension and compression testing.
- Programmable averaging period and trigger
- Removable gauge for easy calibration
- RS-232, USB and Mitutoyo output
- +/- 0.1% gauge accuracy
- Heated Platen option available

Capacity & Resolution

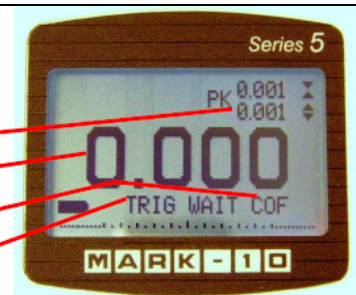
Model	lbF	COF	kgF	gF	N	lbF	COF	kgF	gF	N
M5-2	2	1.000	1	1000	10	0.0005	0.001	0.0002	0.2	0.002

Static COF

Kinetic COF

Selectable COF unit

Averaging status

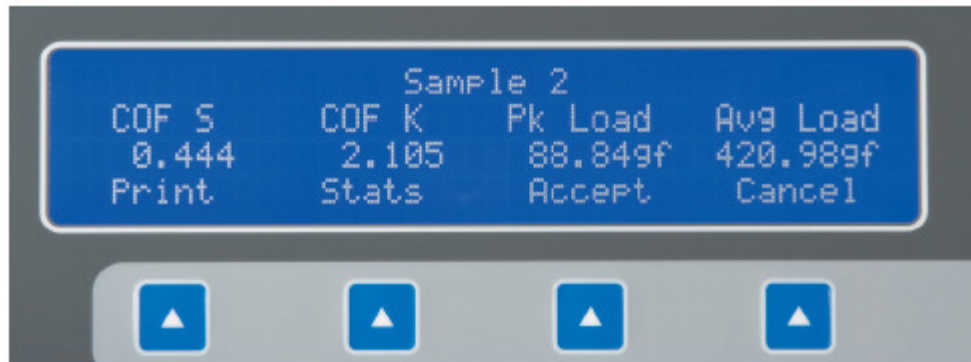


M5- SPEC 2579



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



Horizontal COF System



Controller



Shown with Test Plate in Normal Position



Shown with Test Plate in Extended Position

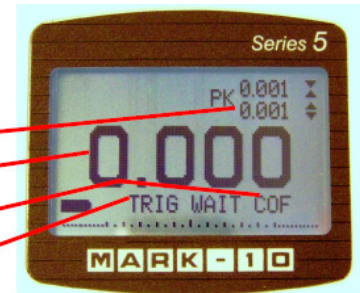
SAMCOF 2

- Adjustable speeds standard range 0.2 -50 in/min
- 5 Selectable units: COF, LbF, KgF, gF, and N
- Displays Static and Kinetic COF simultaneously
- Visual indication of test status, pass fail, and configurable alarms
- User assignable passwords
- 200 gram sled
- Programmable averaging period and trigger
- Gauge can be removed for calibration at another location
- RS-232, USB and Mitutoyo output
- +/- 0.1% gauge accuracy
- Test plate can be oriented for longer travel
- Heated platen option is available

Capacity & Resolution

Model	lbF	COF	kgF	gF	N	lbF	COF	kgF	gF	N
M5-2	2	1.000	1	1000	10	0.0005	0.001	0.0002	0.2	0.002

- Static COF
- Kinetic COF
- Selectable COF unit
- Averaging status



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