



Mark 10 M5-2-COF Coefficient Of Friction Gauge - 2lbF Capacity

The M5-2-COF coefficient of friction (COF) gauge is an integral part of a COF testing system, typically including a motorized test stand and COF fixture. With a capacity of 2 lbF [10 N], the gauge can be used to measure friction for a wide range of materials, ideal for conformance to ASTM D1894 and other relevant standards. Static and kinetic coefficients are displayed on the backlit LCD, and are calculated from a user-programmable sled weight.



MARK-10®

Manufacture: Mark 10

SKU: MS-2-COF

Weight: 1.00 lb

Free Ground Shipping within the
48 continental US States

**Please Call
(800)832-0055**

Features

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Data can be transferred to a PC or data collectors via USB, RS-232, Mitutoyo (Digimatic), or analog outputs. On-board memory for up to 1,000 readings is included, as are statistical calculations with output to a PC. Integrated set points with indicators and outputs are ideal for pass-fail testing and for triggering external devices such as an alarm, relay, or test stand. Configurable password protects against unauthorized changes to settings.

The M5-2-COF may also be used for a number of common tension and compression testing applications. The gauge is based on Mark-10s Series 5 advanced digital force gauges, and includes the series full set of functions and settings. The M5-2-COF includes MESUR™ Lite data acquisition software. MESUR™ Lite tabulates continuous or single point data. Data saved in the gauges memory can also be downloaded in bulk. One-click export to Excel easily allows for further data manipulation.

FEATURES

- Calculates static and kinetic coefficients of friction
- Configurable sled weight (100 - 1000 g)
- USB, RS-232, Mitutoyo, and analog outputs
- 1,000-point data memory with statistics and outputs
- Programmable set points, with indicators and outputs
- Live load bar graph with set point markers
- Configurable audio alarms and key tones
- Password protection, configurable for individual keys and calibration
- Fixture + Gauge Kit is available

Specifications

SPECIFICATIONS

Coefficient Of Friction Gauge

Capacity x Resolution	5 x 0.001 COF*, 2 x 0.0005 lbF, 32 x 0.01 ozF, 1 x 0.0002 kgF, 1000 x 0.2 gF, 10 x 0.002 N
Accuracy	±0.1% of full scale
Sampling rate	7,000 Hz
Power	AC or rechargeable battery. Multi-step low battery indicator is displayed, gauge shuts off automatically when power is too low.
Battery Life	Backlight on: up to 7 hours of continuous use Backlight off: up to 24 hours of continuous use
Outputs	USB / RS-232: Configurable up to 115,200 baud. Includes Gauge Control Language 2 for full computer control. Mitutoyo (Digimatic): Serial BCD suitable for all Mitutoyo SPC-compatible devices. Analog: ± 1 VDC, ± 0.25% of full scale at capacity General purpose: Three open drain outputs, one input. Set points: Three open drain lines.
Safe overload	150% of full scale (display shows "OVER" at 110% and above)
Weight	1.0 lb [0.45 kg]
Included items:	Carrying case with hook, chisel, cone, V-groove, flat, extension rod, universal voltage AC adapter, battery, quick-start guide, USB cable, resource CD (USB driver, MESUR™ Lite software, MESUR™ gauge DEMO software, and users guide), and NIST-traceable certificate of calibration with data.
Warranty	3 years (see individual statement for further details)

* Depends on the sled weight. For a 200 g weight, the COF capacity is 5. COF resolution is fixed at 0.001.

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