

Model FX-7300-Electronic Film Coefficient of Friction Tester

Full-Featured Friction Testers for Film and Sheet Materials



The Model FX-7300 Electronic Film Coefficient of Friction Tester with Optional Heated Platen

In the past, film and sheet producers and converters have had the choice of off-line friction testers which are manually operated stand-alone machines, or expensive computer-operated machines. Now you can have both in a single instrument. Oakland Instrument offers the Model FX-7300, a simple to use stand-alone, digital-based tester with optional software for full computer-control with automatic calculation and graphical display of static and kinetic friction data.

Improved Film Quality, Increased Profit Margins

The Series 7300 Friction Tester is a proven tool for more closely controlling nominal and peak friction properties to speed your:

- Production additives settings and adjustments
- Research and development of new film products
- Inspection of incoming film products
- In-process checks to ensure on-spec product for converting operations, and to monitor “blooming” of slip additives during warehousing
- Quality-control reporting

The Oakland Advantage

Conforms to ASTM, ISO & TAPPI

Conforms to specifications for ASTM D202, ASTM D1894, ISO 8295, TAPPI T549, TAPPI T815 and TAPPI T816 test methods. Suitable for measuring Static and Kinetic coefficients of friction of plastic film, plastic sheeting, paper and corrugated fiberboard using Horizontal Plane Method.

Advanced Technical Features in Each Model

- Standard sled speed of 15 cm (6 inches) per minute for COF
- Adjustable sled speed settings of 2.5, 5.1, 12.5 and 25 cpm (1, 2, 5 and 10 ipm) for peel and seal testing
- Cutting templates available to reduce sample preparation times
- Can be operated in Digital/Manual mode or Digital/Software mode
- Calibration tools available for in-house system calibration
- Heated platen available as an option for elevated temperature sample conditioning and testing

Oakland Instrument Corp.

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, flexible packaging, and paper industries.

Customer-Driven

We team with our customers to help them solve their quality and process-control problems.

Technology-Based

Our applications knowledge and engineering depth allow us to offer both standard and custom systems based on industry leading technology.

Specifications

Model FX-7300

Mode of operation:	Off-line testing / lab use Digital force measurement, zeroing, and calibration
Materials:	All sheet materials
Measurement Range:	0 – 1135 grams (0 – 2.5 lb) or 0 – 2270 grams (0 – 5.0 lb) Other ranges available
Accuracy	± 0.15% Full Scale ± 1 Least significant count
Resolution:	0.1 grams (0.005 oz) or 0.001 COF values (unit-less)
Sample Rate:	1000 / sec
Drive Rate:	COF: 15.2 cm / min. ± 0.25 cm / min. (6.0 inch / min. ± 0.1 inch / min.) Select speed: 2.5, 5.1, 12.7, 15.2, or 25.4 cm / min. (1, 2, 5, 6 or 10 inch / min.)
Heated Platen:	Optional
Power Requirements:	115 VAC / 60 Hz, 230 VAC/ 50 Hz, or consult factory for special requirements
Dimensions (HxWXD):	23 cm (9 in) x 71 cm (28 in) x 48 cm (19 in)
Weight, Instrument:	34 kg (75 lb)
Weight, Packaged Instrument:	42 kg (95 lb)
Serial Data Communications:	USB
Environmental Requirements:	5 – 38°C max. (40 – 100°F max.) 96% RH non-condensing

(Due to continuous product improvements, all specifications are subject to change without notice.)

Upgrade your Model FX-7300 Film Friction Tester to Add the Digital Software Capability of the Model FX-7200 COF Tester Software

Options and Accessories:

- Computer system and Model FX-7200 Quality Control Software for statistical and graphical analysis of friction data. Allows full computer-control of your FX-7300 Electronic COF tester;
- Heated Platen for elevated temperature sample conditioning and testing;
- Peel / seal fixtures, tensile grips, and other accessories available;
- Standard or custom systems designed to meet specific customer needs.

Ordering Information



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