

Model FX-7300 Electronic Film Coefficient of Friction Tester

Full-Featured Friction Tester for Film and Sheet Materials



The Model FX-7300 Electronic
Film Coefficient of Friction Tester

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 Model FX-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

Meets ASTM & TAPPI

Meets specifications of ASTM D1894 *Standard Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and TAPPI Method T-549. Coefficients of Static and Kinetic Friction of Uncoated Writing and Printing Paper by use of the Horizontal Plane Method*

Advanced Technical Features in Each Model

- Fixed sled speed of 6 inches per minute. Plus sled speed settings of 1, 2, 5 and 10 ipm for peel and seal testing
- Cutting templates available to reduce sample preparation times
- Can be run 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, Available January 2021

Oakland Instrument

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test and measurement instruments for quality control testing in the plastics, packaging, tissue 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 gram (2.5 lb), 0 – 2270 (5.0 lb) other ranges available
Accuracy:	± 0.15% Full Scale ± Least Significant Count
Resolution:	0.1 gram
Sample Rate:	1000 / sec
Drive Rate:	6.0 inch / min. ± 0.1 inch / min. Select from presets of 1, 2, 5, 6 or 10 inch / min.
Heated Platen:	(Optional, Available January 2021)
Power Requirements:	115 VAC / 60 Hz, 230 VAC / 50 Hz, or consult factory for special requirements
Dimensions (HxWxD), Instrument:	9 in (23 cm) x 28 in (71 cm) x 19 in (48 cm)
Weight, Instrument:	75 lb (34 kg)
Weight, Packaged Instrument:	95 lb (42 kg)
Serial Data Communications:	USB

(Due to Continuous product improvement, all specification 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 available as an option for elevated temperature testing, Available January 2021

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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