

Model FX-7100-VS Variable-Speed Coefficient of Friction Tester

Full-Featured Friction Testers for Film and Sheet Materials



The Model FX-7100-VS 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-7100-VS, a stand-alone, variable-speed digital-based tester with optional software for automatic calculation and graphical display of friction, peel and seal test data.

Improved Film Quality, Increased Profit Margins

The Series 7000 Friction Tester is a proven tool for more closely controlling nominal and peak friction 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
- 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 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

- Variable sled speed of 1 - 20 inches per minute.
- Cutting templates available to reduce sample preparation times.
- Digital version can be run in Digital/Manual mode or Digital/Software mode.
- Calibration tools available for in-house system calibration.

Oakland Instrument

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, packaging, rubber 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-7100-VS

Mode of operation:	Off-Line testing / lab use Digital force measurement
Materials:	All sheet materials
Measurement Range:	0 - 200 gram (8 oz) or 0 - 500 gram
Accuracy:	+/- 0.15% Full Scale +/- 1 Least significant count
Resolution:	0.1 gram (0.005oz)
Speed Range	1 - 20 ipm
Single / Reversible Direction	Single Direction
Test Travel, Table	12 inches
Additional Force Gauges	Contact Factory
Manual Mechanical Grips	Optional
Power Requirements:	115 VAC, 60 Hz, or consult factory for special requirements
Dimensions (HxWxD):	9 in (23 cm) x 32 in (81 cm) x 12 in (31 cm)
Weight:	38 lb (17 kg)
Sample Rate:	5000 / sec.
Serial Data Communications:	RS-232
Analog Output:	0 to + 2.0 Vdc

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

Options and Accessories

Computer system and Model FX-7200 Quality Control Software for statistical and graphical analysis of friction data

Standard or custom systems designed to meet specific customer needs

Ordering Information

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