

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

Full-Featured Friction Testers for Film and Sheet Materials



Model FX-7100-VS Coefficient of Friction Tester and Table Cutting Template

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 7100-VS 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

Conforms to ASTM, ISO & TAPPI

Conforms to specifications for ASTM D202, ASTM D1894, ISO 8295, TAPPI T-549, TAPPI T-815 and TAPPI T-816 test methods. Suitable for measuring Static and Kinetic coefficients of friction of plastic film, plastic sheeting, paper and corrugated fiberboard.

Advanced Technical Features in Each Model

- Variable sled speed of 1 – 50 cm (0.4 – 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 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-7100-VS

Mode of operation:	Off-line testing / lab use Digital force measurement
Materials:	All sheet materials
Measurement Range:	0 – 200 grams (7 oz) or 0 – 500 grams (18 oz)
Accuracy	± 0.15% Full Scale ± 1 Least significant count
Resolution:	0.1 grams (0.005 oz) or 0.001 COF values (unit-less)
Speed Range:	1 – 50 cm/min. (0.4 – 20 inches/min.)
Single / Reversible Direction:	Single Direction
Test Travel, Table:	30 cm (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):	23 cm (9 in) x 81 cm (32 in) x 31 cm (12 in)
Weight:	17 kg (38 lb)
Sample Rate:	5000 Hz
Serial Data Communications:	RS-232
Analog Output:	0 to + 2.0 VDC
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.)

Options and Accessories

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