

# Model FX-7100-VSC Variable Speed Coefficient of Friction, Peel & Seal Tester

*Full-Featured Friction Testers for Film and Sheet Materials*



*Model FX-7100-VSC Film Coefficient of Friction, Peel & Seal 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-VSC, a simple to use 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-VSC Tester is a proven tool for more closely controlling nominal and peak friction as well as the strength of peelable seals 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, ASTM D3330, ASTM F88/F88M, ISO 8295, TAPPI T549, TAPPI T815 and TAPPI T816 test methods. Suitable for measuring Static and Kinetic coefficients of friction of plastic as well as peelable seals of plastic film, plastic sheeting, paper and corrugated fiberboard using the Horizontal Plane Method.

### **Advanced Technical Features in Each Model**

- Variable sled speed of 1 – 50 cm (0.5 – 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-VSC

Mode of operation:	Off-line testing / lab use Digital force measurement
Materials:	All sheet materials
Measurement Range:	0 – 200 grams (7 oz) or 0 – 5 kg (11 lb)
Console Force Capacity:	10 kg (22 lb) with weighted Peel, Seal table installed
Accuracy	± 0.15% Full Scale ± 1 Least significant count
Resolution:	0.1 grams (0.0002 lb) for 0 – 200 grams (0.44 lb) Force Gauge 1 gram (0.002 lb) for 0 – 5 kg (22 lb) Force Gauge
Speed Range:	0 – 20 cm/min. (8 inches/min.)
Single / Reversible Direction:	Single Direction, Movable table to reset
Test Travel, Table:	25 cm (10 inches), 2 tables provided One for Standard COF testing One for Peel, Seal, low force Tensile Testing with Mechanical Grips option
Additional Force Gauges:	500 g (1.1 lb), 2 kg (2.2 lb), 20 kg (22 lb) 200 g (0.44 lb) and 5 kg (11 lb) Force Gauges include with system)
Manual Mechanical Grips:	Included
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
- Standard or custom systems designed to meet specific customer needs

### Ordering Information



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