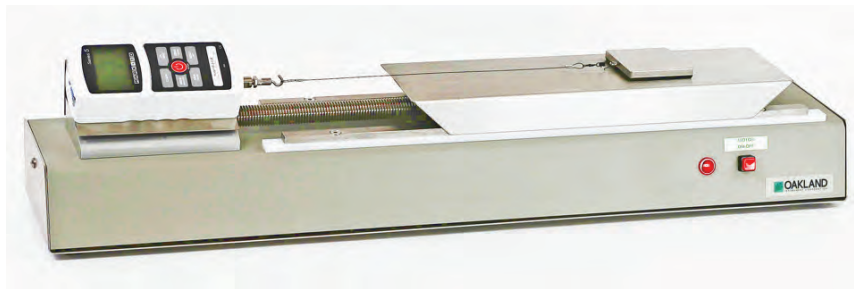


# Model FX-7100-F/W Film Coefficient of Friction Tester

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



*Model FX-7100 Film F/W 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 F/W, a simple to use digital-based friction tester with automatic calculation and display of static and kinetic friction.

## Improved Film Quality, Increased Profit Margins

The Series FX-7100 F/W Friction Tester is a proven tool for more closely controlling nominal and peak friction to speed your:

- Research and development of new film products;
- Inspection of incoming film products;
- In-process checks to ensure on-spec product for converting operations.

## 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.

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

- Fixed sled speed of 152 mm (6 inches) or 100 mm (3.9 inches) per minute (specify when ordering instrument).
- Optional sample cutting templates for Table and Block to reduce sample preparation times.
- Optional strain gauge calibration tools using Calibration Pulley Assembly and Cable.

### **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

Mode of operation:

### **Model FX-7100 F/W**

Off-line testing / lab use

Digital force measurement

Materials:

All sheet materials

Measurement Range:

0 – 1000 gram-force (35 ounce-force)

Other ranges available

On-Display Reporting:

Static and Kinetic COF Values, plus Force

Accuracy:

± 1.0% Full Scale

Resolution:

0.1 gram-force (0.0035 ounce-force) or 0.001 COF values (unit-less)

Single / Reversible Direction:

Single Direction

Test Travel, Table:

30 cm (12 inches)

Power Requirements:

115 VAC, 60 Hz, or consult factory for special requirements

Dimensions (HxWxD):

15 cm (6 in) x 68 cm (28 in) x 20 cm (8 in)

Weight:

11 kg (28 lb)

Sample Rate:

Continuous

Serial Data Communications:

None

Analog Output:

None

Environmental Requirements:

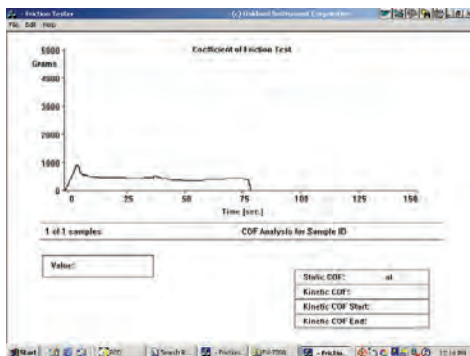
5 – 38°C max. (40 – 100°F max.) 96% RH non-condensing

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

## Upgrade your Model FX-7000 F/W Film Friction Tester to Add the Digital Software Capability

### Options and Accessories

- Peel/seal fixtures, tensile grips, and other accessories available
- Standard or custom systems designed to meet specific customer needs



FX-7200 Quality Control Software



Table and Block Sample Templates



Calibration Pulley and Extension Cable

### Ordering Information



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