

# Model MX-1225 Digital MicroGauge Off-Line Profiling Thickness Gauge for Paper, Plastic Film and Sheet

*Full-Featured Automatic Caliper Gauges for Film, Sheet and Paper*



Model MX-1225 Digital MicroGauge Thickness Tester with Isolated C-Frame feature. Gauge equipped with RS-232 Serial Output.

In the past, film and paper producers and converters have had the choice of caliper gages which were either value-priced thickness-only machines, or expensive computer-operated machines. Now you can have the best of both worlds in a single instrument. Oakland Instrument offers the MX Series, a simple to use stand-alone or computer operated tester, with optional Quality Control software for automatic calculation and graphical display of thickness profiles, statistics, and other information.

## The Oakland Advantage

### Conforms to ASTM, ISO and TAPPI

Conforms to specifications for ASTM D 374, ASTM D 1777, ISO 534, ISO 3934, ISO 4593 and TAPPI T-411, Standard Test Methods for Thickness Testing of Plastic Film and Paper.

### Advanced Technical Features in Each Model

#### Easy, Error-Free Operation; Two Modes of Operation

Two modes of operation: Operate as a stand-alone, manual, or firmware-driven system, or Operate in Digital/Software mode using Oakland's Quality Control Thickness Software to automatically display profile graphics and calculate data statistics.

#### Offering Discrete Point Testing and Profiling Models

The MX-1225 includes a drive wheel to pull sheet samples for automatic thickness profiling. Other models available for discrete or point-to-point testing for spot-checking material thickness.

#### Affordable

Best of all, the MX Series is economically priced.

#### Expandable; Industry-Leading Software

Portable and expandable with optional software, ticket printers, statistical ticket printers, and computer systems. A computer is required for operation in the Digital/Software mode. Windows™ XP/7/10 based advanced software for display/hard-copy reporting of statistical and graphical analysis of thickness data including high, low, average, standard deviation, and data count values.

### 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:

Materials:

Measurement Range:

Display (4-½ Digit) and  
Serial Output Range / Resolution

Resolution:

Accuracy:

Parallelism:

Foot Size (Contact Point):

Foot Pressure:

Cycle Rate:

Lowering Rate:

Dwell (at zero reading):

Drive Increments:

Firmware Data Display:

Serial Data Communications:

Power Requirements:

Dimensions (W x D x H, Instrument Only)

Dimensions (W x D x H, Shipping)

Weight (Instrument Only)

Weight (Shipping)

## Model MX-1225

Off-line testing / lab use, Automatic Digital Profiling

All sheet materials

0 – 1.25 mm (0 – 50 mils), 0 – 2.5 mm (0 – 100 mils),  
0 – 5 mm (0 – 200 mils), 0 – 7.5 mm (0 – 300 mils),  
other ranges available

*Specify microns or mm when ordering metric units*

0 – 50 mil Measurement Range

0 – 199.9 mils

0 – 100 mil Measurement Range

0 – 1.9999 mm

0 – 200 mil Measurement Range

0 – 1999.99 microns

0 – 300 mil Measurement Range

0 – 1999.9 mils

0 – 19.999 mm

0 – 19999 microns

0.1 micron/0.0001 mm/0.04 mils for 1270 micron/1.27 mm/50 mils Sensor

1 micron/0.001 mm/0.4 mils for 2540 micron/2.54 mm/100 mils Sensor

± 0.5 micron (0.02 mil)

± 1.0 micron (0.04 mil) or better

4.33 mm (0.188 inch) diameter for film

15.9 mm (0.628 inch) diameter for paper

Other sizes available for tissue, other materials

30 – 60 kPa/0.28 – 0.56 kg/cm<sup>2</sup>/4 - 8 psig for film

50 kPa/0.51 kg/cm<sup>2</sup>/7.3 psig for paper

Other settings available for tissue, other materials

20 per min (film) (40 as an option) at 60 Hz

20 per min (paper) (12 as an option)

1 mm / sec (0.040 inch/sec) for paper

3 ±1 seconds for paper

0.5 – 10 cm (0.2 – 4 inches) in six steps for film

2.5 – 15 cm (1 – 6 inches) in six steps for paper

Other ranges available, consult factory

Thickness Data plus High, Low, Average,

Standard Deviation (1 sigma), Data Count

RS-232 for Computer Software Addition

Consult factory for software information

115 VAC, 60 Hz, 230 VAC, 50 Hz

or consult factory for special requirements

35 x 28 x 25 cm (14 x 11 x 10 inch)

51 x 41 x 41 cm (20 x 16 x 16 inch)

17 kg (38 lb)

22 kg (49 lb)

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

### Ordering Information



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