

Model MX-1210 MicroGauge Off-Line Profiling Thickness Gauge for Paper, Plastic Film and Sheet

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



Model MX-1210 Profiling Caliper Gauge 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 D374, ASTM D1777, 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-1210 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 and 7 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.

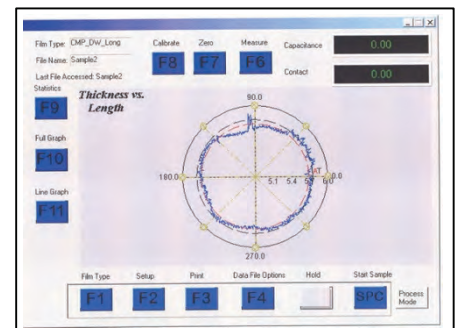
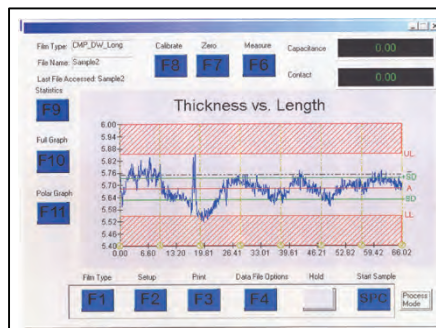
Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, flexible packaging, and paper industries.

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

Model MX-1210

Mode of operation:	Off-line testing / lab use Automatic Profiling
Materials:	All sheet materials
Measurement Range:	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 <i>Specify microns or mm when ordering metric units</i>
Stroke (Probe retract height):	Measurement Range plus 1.25 – 2.5 mm (50-100 mils)
Resolution:	0.1 micron (0.01 mil) up to 7.5 mm (0.3 in) range
Accuracy:	± 0.5 micron (0.02 mil)
Parallelism:	± 1.0 micron (0.04 mil) or better
Foot Size (Contact Point):	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
Foot Pressure:	30 – 60 kPa (4 - 8 psi) for film 50 kPa (7.3 psi) for paper Other settings available for tissue, other materials
Cycle Rate:	20 per min (film) (40 as an option) at 60 Hz 20 per min (paper) (12 as an option)
Lowering Rate:	1 mm / sec (0.040 inch/sec) for paper
Dwell (at zero reading):	3 ±1 seconds for paper
Drive Increments:	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
Firmware Data Display:	Thickness Data plus High, Low, Average, Standard Deviation (1 sigma), Data Count
Serial Data Communications:	RS-232 for Computer Software Addition Consult factory for software information
Power Requirements:	115 VAC, 60 Hz, 230 VAC, 50 Hz or consult factory for special requirements
Dimensions (W x D x H, Instrument Only)	14 x 11 x 10 inch (35 x 28 x 25 cm)
Dimensions (W x D x H, Shipping)	20 x 16 x 16 inch (51 x 41 x 41 cm)
Weight (Instrument Only)	17 kg (38 lb)
Weight (Shipping)	22 kg (49 lb)

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

Ordering Information



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