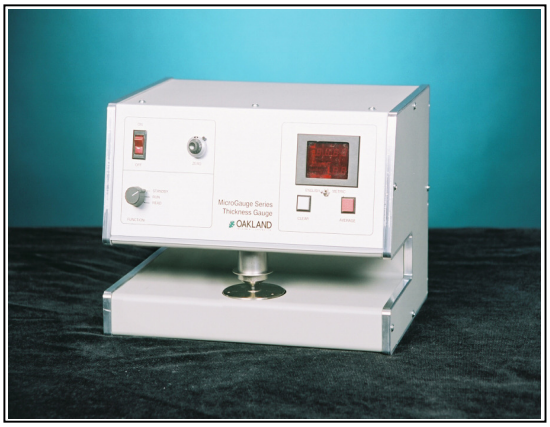
OAKLAND INSTRUMENT CORPORATION

Model MX-1200 MicroGauge Off-Line Thickness Gauge For Paper and Plastic Film



The Model MX-1200 MicroGauge Thickness Gauge.

Full-Featured Automatic Caliper Gages for Film and Paper

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

Meets ASTM, TAPPI and International Standards

Meets specifications of ASTM D 374, D 6988, TAPPI T-411, DIN 53370, and ISO 4593 Standard Test Methods for Thickness Testing of Plastic Film and Paper.

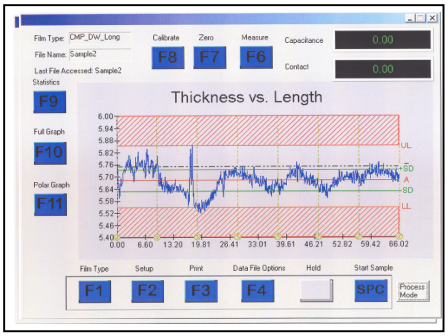
Advanced Technical Features in Each Model

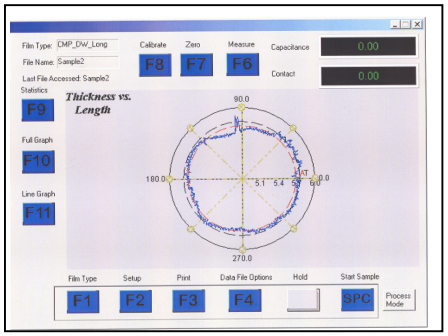
Easy, Error-Free Operation; Two Modes of Operation
Two modes of operation: Operate as a stand-alone, manual, or firmware-driven system, or Operate in Digital/Software mode using Oakland's Quality Control Thickness Software to automatically display profile graphics and calculate data statistics.

Offering Discrete Point Testing and Profiling Models
The MX-1200 includes an automatic cycling measurement head to read sample points for manual thickness profiling. Other models available with drive wheels for automatic sample advance for thickness profiling, or for discrete or point-to-point testing.

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. WindowsTM-based advanced software for display/hard-copy reporting of statistical and graphical analysis of thickness data.





Oakland Instrument Corp.

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, packaging, rubber 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-1200
Mode of operation:	Off-line testing /lab use, Discrete Point Testing
Materials:	All sheet materials
Measurement Range:	0 - 50 mil, 0 - 100 mil, 0 - 200 mil, 0 - 300 mil 0 - 1270 micron, 0 - 2540 micron, 0 - 5080 micron, 0 - 7620 micron other ranges available Please specify microns or mm when ordering metric units
Display (4-1/2 Digit) and Serial Output Range / Resolution	0 - 50 mil Measurement Range, 0 - 199.99 mils 0 - 100 mil Measurement Range, 0 - 1.9999 mm and 0 - 200 mil Measurement Range 0 - 1999.9 microns 0 - 300 mil Measurement Range, 0 - 1999.9 mils 0 - 1.9999 mm 0 - 19999 microns
Resolution:	0.01 mil (0.1 micron) (0.0001 mm)
Accuracy:	+/- 0.02 mils (+/- 0.50 micron) (+/- .0005 mm) (+/- 20 microinch)
Parallelism:	+/- 40 microinches or better (+/- 1.0 micron or better)
Foot Size:	0.188 inch dia. (4.3 mm dia) (film) 0.628 inch dia. (15.9 mm dia.) (paper)
Foot Pressure:	4.0 - 8.0 psi (0.562 kg/cm2) (film) 7.3 psi (0.513 kg/cm2) (paper)
Cycle Rate:	up to 40 (film)per min. at 60 Hz 12 or 20 (paper)
Lowering Rate:	0.040 inch/sec. (1mm/sec) (paper)
Dwell (at zero reading):	3 +/-1 seconds (paper)
Drive Increments:	N/A
Firmware Data Display:	Thickness Data plus High, Low, Average, Standard Deviation (1 sigma), Data Count
Serial Data Communications:	RS-232 for Computer Software Addition
Power Requirements:	115 VAC, 60 Hz, 230 VAC, 50 Hz or consult factory
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)	33 lb (15 kg)
Weight (Shipping)	44 lb (20 kg)

Ordering Information

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