

Model MX-1100e MicroGauge Off-Line Thickness Gauge For Plastic Film and Paper



The Model MX-1100e MicroGauge Thickness Tester.

Includes push-button Zero key, and display of Statistics including High, Low, Average, Standard Deviation, Count, and Custom Function (2) Programmability.

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 and TAPPI

Meets specifications of ASTM D 374, TAPPI T-411, BS 2782-6, and DIN 53370, Standard Test Methods for Thickness Testing of Plastic Film and Paper.

Advanced Technical Features in Each Model

Easy, Error-Free Operation; Three Modes of Operation

Three modes of operation: Operate as a stand-alone, touch screen system, or Operate in Digital/Software mode using either a Statistical Ticket Printer, or with 3rd Party Statistical Quality Control Software to display profile graphics and calculate data statistics. Includes digital push-button Zero operation.

Large 7 inch Touch Panel Display Offering Discrete Point Testing, Push-Button Zero, and On-Board Statistics

The MX-1100 offers discrete point testing with the measurement head automatically cycling up and down for point-to-point testing. Statistics can be displayed on the digital display including: High, Low, Average, Standard Deviation, Sample Count.

Expandable; Industry-Leading Software

Portable and expandable with optional software, ticket printers, statistical ticket printers, and computer systems. A ticket printer or computer is required for operation in the Digital/Software mode. Windows 7 or 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.

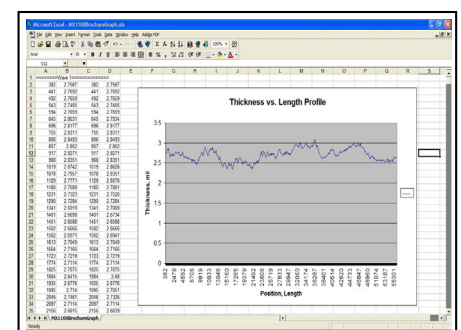
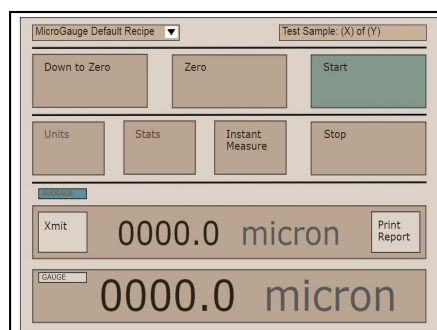
Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, packaging, and paper industries.

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:	Off-line testing / lab use, Discrete Point Testing
Materials:	All film and 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) (0-1.3 mm, 0-2.5 mm, 0-5.0 mm, 0-7.5 mm) other ranges available Please Specify microns or mm when ordering metric units
Stroke (Probe retract height):	Measurement Range plus 50-100 mil
Display (4 Line 16 character / line) 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 - 19.999 mm 0 - 19999 microns
Resolution:	0.01 mil (0.1 micron) (0.0001 mm) up to 200 mil Range 0.1 mil (1 micron) (0.001 mm) 300 mil Range
Accuracy:	+/- 0.02 mils (+/- 0.50 micron) (+/- .0005 mm) (+/- 20 microinch)
Parallelism:	+/- 40 microinches or better (+/- 1.0 micron or better)
Foot Size (Contact Point):	0.188 inch dia. (4.3 mm dia) (film) 0.628 inch dia. (15.9 mm dia.) (paper) Other sizes available for non-wovens, other materials, up to 1.100 inch dia.
Foot Pressure:	4.0 - 8.0 psi (0.562 kg/ cm ²) (film) 7.3 psi (0.513 kg / cm ²) (paper) Other settings available for non-wovens, 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:	0.040 inch/sec. (1mm / sec) (paper)
Dwell (at zero reading):	3 +/-1 seconds (paper)
Drive Increments:	N/A
Firmware Data Display:	Thickness Data
Serial Data Communications:	RS-232 for Ticket Printer, USB 2.0 for Computer
Power Requirements:	24 VDC, 115 VAC, 60 Hz, 230 VAC, 50 Hz or consult factory
Dimensions (W x D x H, Instrument Only)	10 x 10 x 13 inch (25 x 25 x 28 cm)
Dimensions (W x D x H, Shipping)	20 x 16 x 16 inch (51 x 41 x 41 cm)
Weight (Instrument Only)	20 lb (9 kg)
Weight (Shipping)	30 lb (14 kg)

Model MX-1100

Ordering Information

BROMX1100e-1121
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