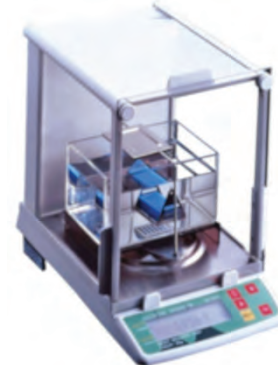


# Model MD-300S & Model SD-200L Electronic Densimeters

*Full-Featured Densimeters for Plastic and Rubber Materials*



*MD-300S Densimeter  
with draft shield*



*SD-200L Densimeter  
with glass water tank option*

In the past, film and sheet producers and converters have only had the option of difficult to use density gradient columns. Oakland Instrument Corporation now offers the Model MD-300S and the Model SD-200L, cost-effective, high-quality densimeters for laboratory use.

## Improved Extrusion Quality, Increased Profit Margins

The Model MD-300S and the Model SD-200L are proven tools for more closely monitoring resin, film and sheet density, to speed up your:

- Extrusion process settings and adjustments;
- Research and development of new film and sheet products;
- Inspection of incoming raw materials for quality and consistency;
- In-process checks to ensure on-spec product for converting operations;
- Quality-control reporting.

### **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.

## The Oakland Advantage

### **Conforms to ASTM Standards for Plastics & Rubber**

Conforms to specifications for ASTM D297 (Rubber), ASTM D792 (Plastic), JIS K6268A (Rubber) and JIS K7112 (Plastic) test methods. Suitable for measuring density of pellets, film, sheet, small parts, fibres and low viscosity liquids (< 100 centipoise / 0.1 Pa\*s).

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

- Density resolution of 0.001 g/cm<sup>3</sup> for Model MD-300S.
- Density resolution of 0.0001 g/cm<sup>3</sup> for Model SD-200L.
- Both systems capable of measuring specific gravity of liquid and solid samples.

### **Add ISO Traceability Certificates**

As an option, add a traceable ISO certificate to your instrument purchase.

## Specifications

	<b><u>Model MD-300S</u></b>	<b><u>Model SD-200L</u></b>
Mode of operation:	Off-line testing / lab use Electronic density measurement	Off-line testing / lab use Electronic density measurement
Materials:	Readily floating & pellet samples, such as plastics, urethane rubber, sponge, wood, liquids	Readily floating & pellet samples, such as plastics, urethane rubber, sponge, wood, liquids
Material Types:	Solids, Liquids	Solids, Liquids
Scale Capacity:	0.01 – 300 grams	0.0001 – 200 grams
Density Resolution:	0.001 g/cm <sup>3</sup>	0.0001 g/cm <sup>3</sup>
Measurement Methods:	Pycnometer and Hydrostatic	Archimedean Principle
Measurement of:	Density, Specific Gravity (liquid), Weight-in-air, Weight-in-water, Value of Specific Gravity, Volume	Density, Specific Gravity (liquid), Weight-in-air, Weight-in-water, Value of Specific Gravity, Volume
Serial Data Communications:	RS-232	RS-232
ISO Traceability Certificate	Optional	Optional
Power requirements:	115 VAC, 60 Hz, 230 VAC or consult factory for special requirement	
Dimensions (D x W x H)	218 mm x 190 mm x 170 mm (8.6 in. X 7.5 in. x 6.7 in.)	319 mm x 213 mm x 301 mm (12.6 in. x 8.4 in. x 11.9 in.)
Weight	1.5 kg (3.4 lb)	5.8 kg (13 lb)

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

## Options and Accessories

- ISO Traceability Certificate
- Liquid Gravity Kit (required to measure density of liquids)
- SD-200L - Cylinder type glass water tank (required if liquid other than water is used as medium for measurement)
- SpGrav™ archiving software or printer

### Ordering Information



Distributed by:  
Plastics Touchpoint Group, Inc.  
152 Rimmington Drive  
Thornhill, Ontario, Canada, L4J 6K1  
Tel: 416-788-9742  
Email: [info@plasticstouchpoint.com](mailto:info@plasticstouchpoint.com)  
Website: [www.plasticstouchpoint.com](http://www.plasticstouchpoint.com)

BRO MD300S/SD200L -0122C  
Manufactured by:  
Oakland Instrument Corp.  
5220 12<sup>th</sup> Avenue East  
Shakopee, Minnesota 55379 USA

Website: [www.oaklandinstruments.com](http://www.oaklandinstruments.com)