

# Model RT-6000 Opacity Meter

Quick, Easy Measurement of Relative Opacity for Film and Packaging Products

## Description:

Ideal for the laboratory or plant floor, the model RT-6000 is a simple-to-use, off-line instrument that indicates relative opacity of plastic film, paper, laminates, printed packaging and other materials. With a single pass of the light source through your material, the system measures relative light transmission on a scale of 0 to 100 Opacity Units, representing perfectly transparent to purely opaque materials, respectively.

## Improves Product Quality, Controls Cost of Colourants:

- The RT-6000 is an invaluable quality-control tool that will help you:
- Meet customer opacity standards and ensure on-spec products
- Inspect incoming film or paper, products for use in secondary operations
- Quickly match opacity to standard for rapid and accurate startup and operation of production
- Perform competitor packaging analysis

As it helps you control opacity quality, the RT-6000 also saves you money on colourants, inks and other additives that are among the most expensive components in the production of plastic film and other packaging materials. The RT-6000 will allow you to more cost-effectively evaluate, select and adjust your use of colourants. You can be sure you are using just the right amount to meet your customers' standards.

## The Oakland Advantage

**Oakland Instrument Corp.'s model RT-6000 Opacity Meter offers numerous advantages.**

### Easy to Use

Built for intuitive operation, this opacity meter is simple to use, minimizing the change of operator error. It's small, lightweight and portable. And it features potentiometer calibration, requiring infrequent calibration, and a large digital display for easy legibility.

### Rugged Construction

The RT-6000 is durably constructed with metal enclosure, lid and hardware. It also features improved electronics and mechanical design.

### Convenient to Service

Replacing the occasional bulb is a quick job, thanks to the simplified design of the RT-6000's east-to-remove top panel.

### Traceable to Industry Specifications

You can be confident of the RT-6000's ability to help you meet even the most demanding customers' standards. This meter is indirectly traceable within each colour class to the Flexible Packaging Association's Specifications B2.

### Exceptional Value

Best price-performance ratio of any opacity meter on the market.



Model RT-6000 Opacity Meter  
All rights reserved.

### Oakland Instrument Corp.

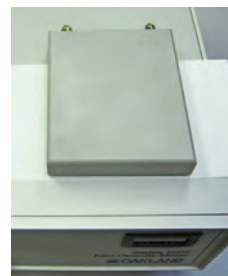
Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, flexible packaging, and paper industries.

### 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.



Closed sensor lid ready to measure sample opacity

## Specifications

## Model RT-6000

Mode of operation:	Off line relative opacity measurement
Materials:	Plastic film, paper, semi-transparent and opaque materials
Measurement System:	Visible light source, photoelectric detector
Measurement Range:	0 to 100 Opacity Units
Opening Measurement Area:	30 mm (1.2 inches) x 50 mm (2.0 inches)
Resolution:	1.00 Opacity Units
Power Requirements:	115 / VAC 60Hz
Dimensions (H x W x D):	9 cm (4 in) x 22 cm (9 in) x 25 cm (1 in)
Weight: Instrument	2.7kg (6 lb)

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

### 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 RT6000-0122C  
Manufactured by:  
Oakland Instrument Corp.  
5220 12<sup>th</sup> Avenue East  
Shakopee, Minnesota 55379 USA

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