

# B-DMS600

## Benchtop Distortion Measurement System



### THE STANDARD FOR MEASURING DISTORTION ON FILMS, TRANSPARENCIES, AND SHEETS

The B-DMS600 is a benchtop version of the DMS family of tools for measuring distortion on glass, plastic, and liquid films. Developed with a team of plastics and glass manufacturing experts, the tool sets the standard for quantifying impurities in light transmission based on seeing and measuring the texture commonly referred to as “orange-peel” which is normally difficult or impossible to see with the eye. The secret is in a perfect combination of optics, settings, and software which renders a reliable result proven for numerous manufacturer’s film sample and qualitative techniques.

The DMS is comprised of cameras and lighting with specialty lenses that can see subtle variations in the surface thickness and pickup errors in the transmission of light through the surface, which to a viewer would be seen as distortion. The images below show a typical “good” film and a “bad” film.



#### GOOD FILM

Distortion Measurement 11.2



#### BAD FILM

Distortion Measurement 65.4

#### OEM PRICING

Aggressive discounts are available for higher-volume customers.

For pricing information please call 888-508-7355 (US)

#### PACKING LIST (930-01641)

- 1 x B-DMS 600 Distortion Box
- 2 x Film Holders
- 1 x Software DVD

Laptop computer can be included upon request

#### FEATURES

- Fully enclosed system designed to allow easy loading and testing of film samples
- Industry standard computation reports distortion as a single value
- Fully digital and solid-state offers the most stable long-term and company-to-company results
- Automatically adjusts to different VLT levels from 0% to 90% with no manual or hardware modification
- Stores data and images to local harddrive for years of production archived storage
- Customizable software and settings let manufacturers choose pass/fail criteria or customer requirements

For other packages and configuration measuring on rolls or sheets, please inquire with Cyth Systems

#### Purpose

Measure and quantify distortion on plastic or glass films.

#### Applications

- Automotive Window Tint
- Window Security Sheet
- Transparency Sheets
- Cell Phone Protective Films
- Touchscreen Overlays
- Polycarbonate Sheets
- Privacy Screens

#### Customizable

Practically any customization is possible for hardware, software, or handling needs. Please inquire.

#### Software and Algorithms

License costs included for use with one computer per Distortion Box.