

# FIBER OPTIC DEVICE UNIFORMITY TEST SYSTEM



## Measure Performance Of Devices Used In Photodynamic Therapy

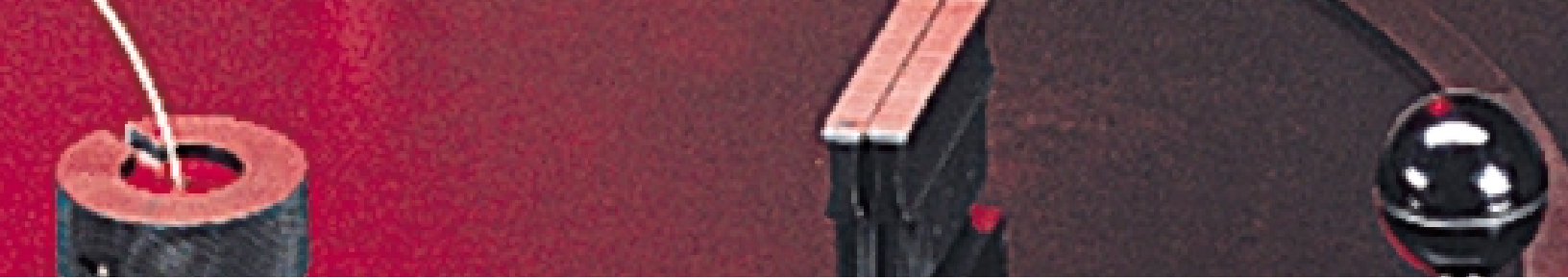
### Features

- Digital camera and imaging processing technology to obtain radiance and irradiance data
- Acquire and process data with standard computer and software
- Automated data acquisition and analysis using macro level command sequences
- Customized measurement procedures for individual user requirements
- Proven technology for both research and production environments

### Benefits

- Eliminates the need for complex scanning mechanisms
- Insensitive to misalignment
- User specified Pass/Fail criteria
- Data archiving for quality assurance
- Consistent and accurate non-contact testing
- Fast scan under one minute

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The FODU System was designed to provide radiance and irradiance measurements in devices used in photodynamic therapy. These measurements are used in quality assurance or research and development programs.

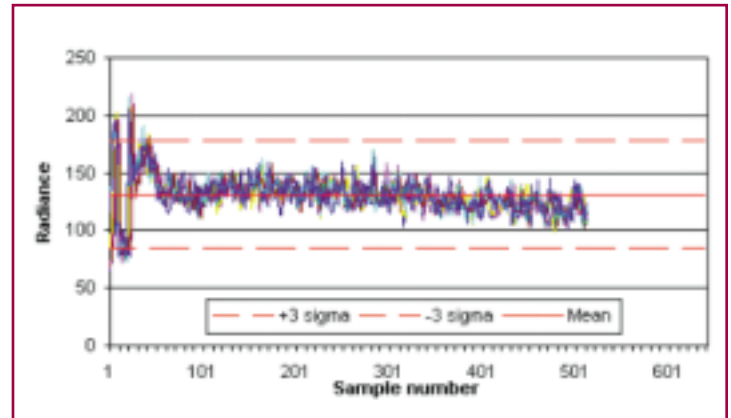
### System Capabilities

#### Measurement Types:

- uniformity
- radiance
- irradiance
- morphometry of observed irradiance pattern
- total power (optional)

### Specifications

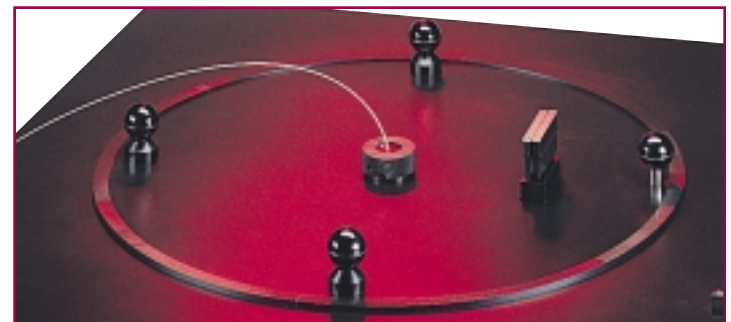
- Spectral Range: 300-900 nm (standard, custom ranges available)
- Input power from 1 mW to several Watts
- Cylindrical devices up to 120 mm long
- Balloon catheters up to 25 mm in diameter
- 8 lock-in positions around the fiber at 45° increments
- Microlensed end-emitting devices characterization
- Graphical presentations to Microsoft Excel spreadsheets



*Results output direct to Microsoft Excel spreadsheet.*



*Fiber shown with manual x, y, z stage used to align the microlens fiber onto the camera.*



*Stacking neutral density filters provide a high dynamic range.*

The  
**Cooke**  
Corporation

6930 Metroplex Drive  
Romulus, MI 48174  
Tel (248) 276-8820  
Fax (248) 276-8825  
info@cokecorp.com  
www.cookecorp.com