

OFT 311 Transmission Color Measuring Head



Product Information



Applications

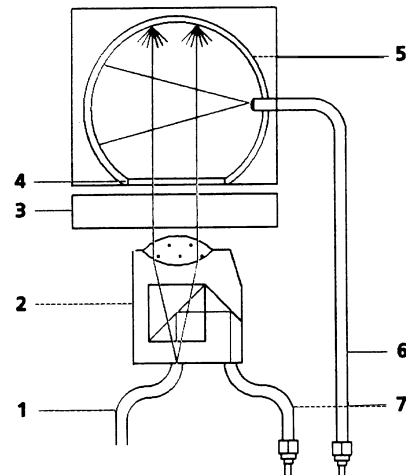
The OFT 311 Color Measuring System has been specially designed for non-contact transmission measurement of transparent materials and coatings, flat glass or films.

Function

A beam splitter integrated in the illuminating optics reflects a small part of the halogen illumination into the fiber connected to the reference spectrometer. The major part of the light is projected perpendicularly to the sample surface. Underneath the sample, an Ulbricht integrating sphere is arranged that captures the transmitted light. The light reflected by the inside wall of the sphere is sent through a fiber to the measuring spectrometer.

A BK 7 glass window protects the integrating sphere against contamination. Optionally, the halogen lamp can be mounted directly into the unit. This option is useful for applications requiring a higher illuminating intensity. In this case, beam splitting for double beam operation is not possible.

- 1 Lamp cable with halogen lamp
- 2 Illuminating optics
- 3 Sample
- 4 Protective window
- 5 Ulbricht integrating sphere
- 6 fiber with SMA-LL connector to measuring spectrometer
- 7 fiber with SMA-LL connector to reference spectrometer



Specifications

Type:	Ulbricht integrating sphere, measuring head for transmission measurement
Sphere diameter:	Æ 60 mm
Effective measuring area:	Æ 15 mm dia.
Light source:	halogen or xenon lamp

For further details, please contact:

Carl Zeiss Jena GmbH Spektralsensorik	D-07740 Jena/ Germany Phone: ++49 (03641)64 2838 Fax: ++49 (03641)64 2485 E-Mail: info.spektralsensorik@zeiss.de Internet: http:// www.zeiss.de/spectral
---	---