OFR D/8°
Reflectance Measuring Head

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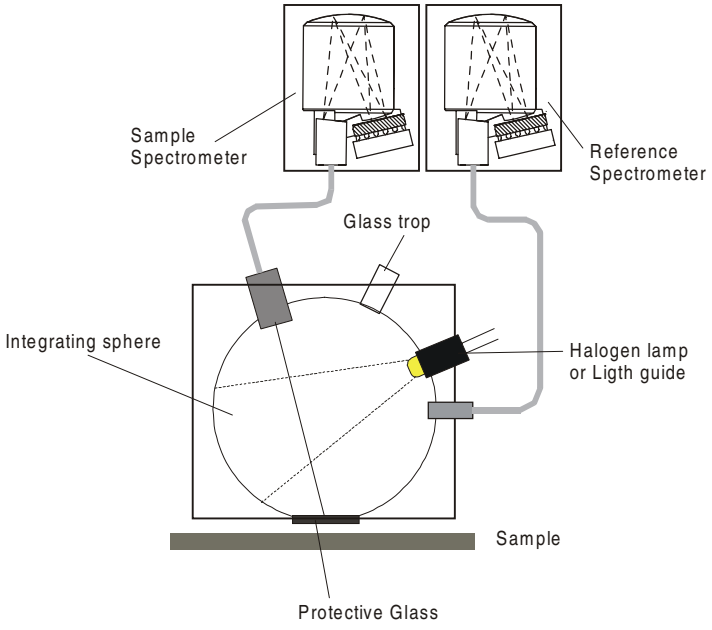
Product Information

Applications

The OFR D/8° measuring head is designed for non-contact reflection measurement of glossy and scattering samples. The OFR D/8° is part of the accessory program of the diode array systems MCS 500 and CORONA and is optimized for use with these systems. It can be used to measure with specular included or excluded.

Function

The sample is diffusely illuminated through an Ulbricht integrating sphere. The sphere either contains a halogen lamp or is illuminated by an external xenon flash lamp connected by a fiber. The light reflected by the inside wall of the sphere can be transmitted to a reference spectrometer through an optical fiber.
The light to be measured is imaged to an optical fiber connector. It is sent to the sample spectrometer through an optical fiber. The Ulbricht integrating sphere is protected against contamination by a BK7 glass plate.



Specifications

Type	Ulbricht integrating sphere, measuring head for non-contact reflectance measurement, plug-in part for measuring with or without specular (gloss trop)
Illumination	Diffuse, integrating sphere
Viewing angle	8°
Sphere diameter	55 mm
Effective measuring aperture	Ø 10 mm
Light source	Halogen lamp (OFR D/8°-H) or external xenon flash lamp
Wavelength range	380 - 950 nm (400 - 2200 nm optional)

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