

RSA-FO-TW-76 Reflectance/Transmittance Sphere Tower

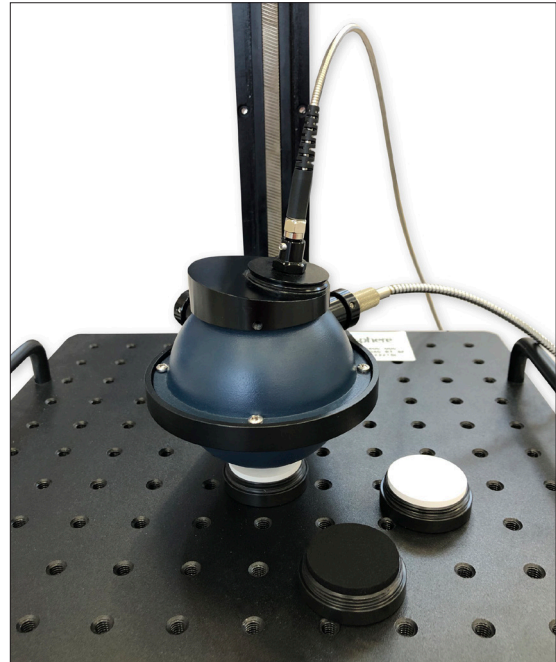
Unparalleled adaptability for both reflectance and transmittance analyses

Introducing Labsphere's Reflectance/Transmittance Sphere Tower, the pinnacle of versatility in reflectance measurement solutions. Designed to facilitate measurements across a diverse array of configurations, this accessory boasts unparalleled adaptability for both reflectance and transmittance analyses.

Featuring an adaptable sample entrance port that serves dual purposes including (8°/h) reflectance and specular excluded (8/d) geometries, along with a reference beam port to eliminate substitution errors, a fiber spectrometer port, and a reflectance sample port, this sphere tower offers comprehensive functionality.

Mounted on a vertical translation stage, both the integrating sphere and light source effortlessly accommodate various test sample geometries and sizes. The knife-edged sphere sample ports enable the collection of wide-angle scattered reflectance and transmittance, while minimal baffling maximizes throughput and light integration.

Equipped with Labsphere's Spectrafect® coating, renowned for its highly diffuse spectral reflective properties, this reflectance/transmittance sphere ensures seamless optical light integration and collection across the 300 - 2400 nm wavelength range.



Features:

- Single and Dual Beam Reflectance
- Single and Dual Beam Transmittance
- 8°/h Reflectance
- Diffuse Reflectance
- Specular Reflectance
- Reflectance and Transmittance of Materials

Applications:

- Measure spectral reflectance
- Specular or diffuse samples
- Measure color
- Reflectance system design
- Measure VIS/NIR reflectance properties

Ordering Information and Specifications

Model Number: RSA-FO-TW-76
Order Number: LAS-00327-000

Tower

Vertical Translation Stage: 29 cm (11.75 inch)
Optical Breadboard Base: 29 cm x 29 cm with 2.54 cm mounting grid

Integrating Sphere

Sphere Diameter: 76 mm (3 inch)
Sphere Coating: Spectrafect
Spectral Range: 300 - 2400 nm
North Pole SMA Fiber Source Stage*
North Pole Port Accessory Port: 4.4 cm (1.75 inch)
South Pole Reflectance Sample Port: 1.9 cm (0.75 inch)
Reference Beam Port: 0.6 cm (.25 inch) SMA Fiber Port*
Spectrometer Measurement Port: 0.6 cm (.25 inch) SMA Fiber Port**

Port Accessories

0° Sample Holder: 1
8°/h SMA Fiber Input Port Accessory with Spectacular Subtraction Light Trap*
North Pole Port Reducer: 1.9 cm to 4.4 cm
North Pole Sample Holder: 1.9 cm to 4.4 cm
with retaining clips
Reflectance Port Plug

*Compatible with Labsphere's FOL-150-S Fiber Light Source

**Compatible with Labsphere's CDS Spectrometers and RTS-01 VIS-NIR Reflectance Transmittance Software

