

Integrating Sphere for Radiant Flux Measurement

An integrating sphere is a hollow spherical cavity featuring a diffuse reflective coating. It measures total radiant flux emitted by a light source or the total reflectance of a sample.



Product Overview

Precision Optical Measurement

This integrating sphere is a hollow spherical cavity featuring a specialized diffuse reflective coating designed for high-accuracy optical measurements. It enables the precise determination of total radiant flux emitted by light sources, as well as the total reflectance or transmittance of samples. By scattering incoming light multiple times, the sphere creates a uniform intensity distribution, making it an essential component for spectrophotometers, reflectometers, and advanced optical measurement systems.

Technical Features

Core Measurement Capabilities

- Total radiant flux measurement
- Total reflectance analysis
- Transmittance measurement
- Uniform light intensity distribution

Typical Applications

Spectrophotometry, Reflectometry, Optical Measurement Systems, Radiometry