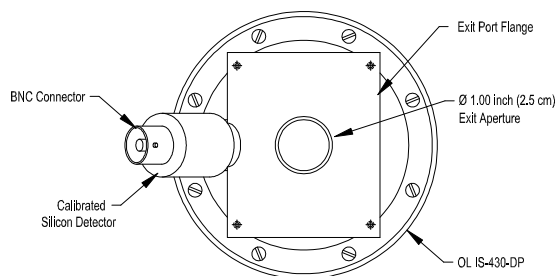


OL IS-430-DP Integrating Sphere

The OL IS-430-DP Integrating Sphere consists of a 4-inch diameter, pressed PTFE-coated integrating sphere with a silicon detector mounted in the sphere wall to monitor the output of the sphere port. The sphere has an in-line entrance port to exit port configuration and a central spider baffle located between the two hemispheres. When attached to the OL Series 750 Spectroradiometer, the sphere serves as a uniform source of spectral radiance or irradiance. The silicon detector mounted in the sphere wall has a 5 mm diameter active area, peak responsivity at 970 nm, and is calibrated relative to the spectral radiance or irradiance provided from the 1" diameter sphere exit port over the region of 200 - 1100 nm. Contact the factory if an extended wavelength region is needed.

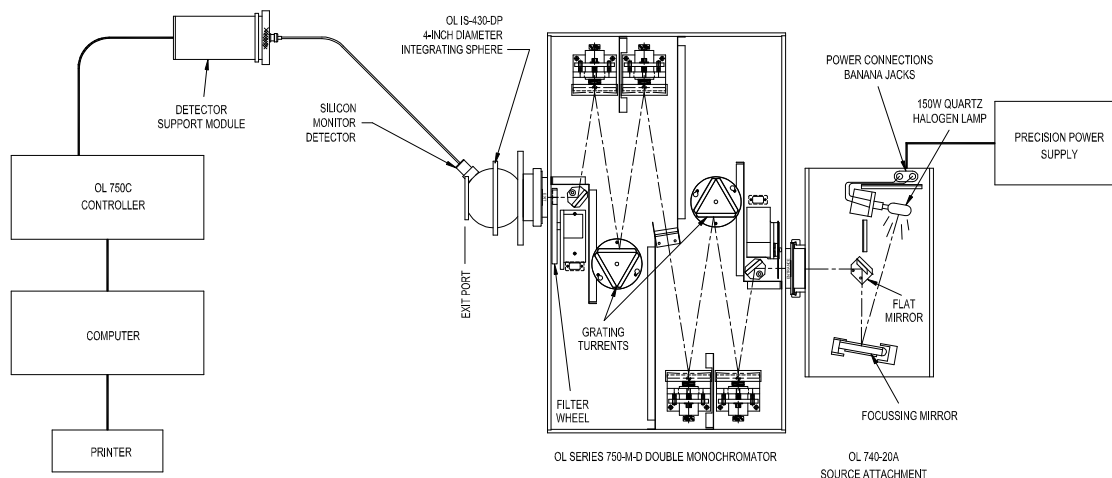
The location of the detector allows correction to sphere efficiency due to interactions (retro-reflections and absorption) between the sphere and devices placed in close proximity to the sphere port.



Exit Port View of OL IS-430-DP Integrating Sphere

SPECIFICATIONS

Sphere Diameter	4 inches (10.16 cm)
Coating	Pressed PTFE
Coating Reflectance	99%
Reference Detector	Silicon
Wavelength Range	200 - 1100 nm



OL 750D Spectroradiometer Configuration with OL IS-430-DP