

ARCOPTIX ARCSPHERE



The ARCOptix ARCSPHERE is an integrating sphere featuring an internal halogen light source for diffuse reflection measurements in the VIS-NIR. The highly reflective sphere has a diameter of 50mm, a sample port of 10mm with a sapphire window, and includes an SMA fiber connector allowing a direct connection to the spectrometer. The internally illuminated design provides a much stronger signal (at least 50 times more) than spheres illuminated via fiber optic coupled light sources.

Specifications

Product code	ARCSPHERE-50-HAL
Sphere internal diameter [mm]	50
Sample port diameter [mm]	10
Sample port window material	Sapphire
Optical fiber connector	SMA-905
Light emitting element	Low power halogen bulb (5W)
Source temperature [K]	~2'700
Rated life-time [hours]	4'000
Power consumption (7-12 VDC) [W]	10
External dimensions [mm]	70x70x90

SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE
Please contact info@arcoptix.com for more information.