

DATASHEET

ArcSphere-50-Hal

Integrating sphere with internal halogen light source



The ArcSphere-50-Hal is an integrating sphere with internal halogen light source for diffuse reflection VIS/NIR measurements. It has an internal diameter of 50mm, a sample port of 10mm with a sapphire window, and an SMA fiber connector to connect 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

Sphere internal diameter	50 mm
Sample port diameter	10 mm
Sample port window material	Sapphire
Spectral range	360-2500nm
Measurement port	SMA-905
Light source type	Halogen 5W
Bulb temperature	2700 K
Bulb life-time	4000 hours
Power supply	7-12V / 10W
External dimensions	70mm x 70mm x 90mm

Ordering Information

Integrating sphere with internal light source	ARCSPIHERE-50-HAL
Replacement bulb	QTH-12-5