

## 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

<b>Sphere internal diameter</b>	<b>50 mm</b>
<b>Sample port diameter</b>	10 mm
<b>Sample port window material</b>	Sapphire
<b>Spectral range</b>	360-2500nm
<b>Measurement port</b>	SMA-905
<b>Light source type</b>	Halogen 5W
<b>Bulb temperature</b>	2700 K
<b>Bulb life-time</b>	4000 hours
<b>Power supply</b>	12V / 1A
<b>External dimensions</b>	70mm x 70mm x 90mm

### Ordering Information

<b>Integrating sphere with internal light source</b>	ARCSPHERE-50-HAL
<b>Replacement bulb</b>	QTH-12-5