

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

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| 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

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