

# S-RHIS

## Smart Remote Head Integrating Sphere

### Overview

#### Smart Remote Head Integrating Sphere

Absolute power and insertion loss (IL) are accurately measured with this Smart Integrating Sphere. Ideal for measuring fibers terminated with high density connectors such as MTP/MPO or bare fiber, the **S-RHIS** can also be used for all simplex connectors such as FC, SC, LC, etc.

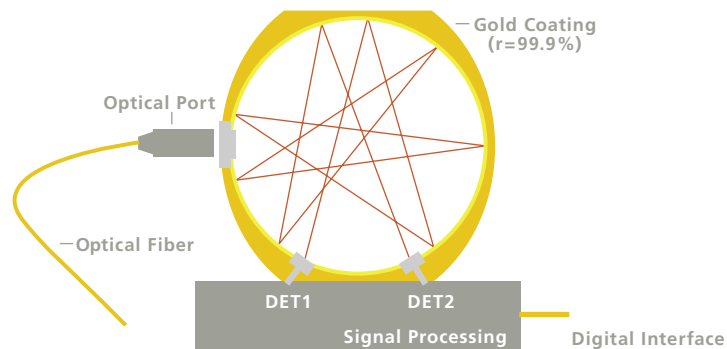
The unique two-port design is the ideal setup for efficient workbench operation.



Model S-RHIS, Smart Remote Head Integrating Sphere

### Features

- Measurement range: +30dBm to -50dBm at 1490nm  
0.05dB accuracy: +17dBm to -45dBm
- Two detectors for signal processing resulting in superior stability
- Two inch cavity with highest reflective coating available
- Two ports for changing connector types on the fly without tooling
- Remote head is ideal for rugged cables and ergonomic in manufacturing environments
- Calibration factors stored directly with the Integrating Sphere
- Interface to many OP mainframes such as OP710, OP815, OP930
- **System integration with OPL series software suite**
- Adapters available for universal ferrule sizes (1.25/1.6/2.0/2.5mm) and common connector types such as MTP/MPO, MT Ferrule, MT-RJ, LC (simplex or unibody), FC, SC, etc.
- Bare fiber adapters available for simplex or ribbon fiber



# SPECIFICATIONS

S-RHIS	RHISxx
Measurement Range	+30dBm to -45dBm
Wavelength Range	830nm to 1700nm
Selectable Wavelength	Standard: 850/1300/1310/1480/1550/1625nm
Measurement Resolution (Display of Mainframe)	0.01dBm (absolute) 0.001dB (relative)
Calibration Points	850/1300/1310/1480/1550/1625nm
Measurement Linearity, Relative Accuracy	±0.05dB (+17dBm to -45dBm)
Repeatability	0.02dB*
Sphere Optical Cavity	2 inch
Fiber Optic Interface	Bare Fiber, MTP, FC, ST, SC, LC, custom
Mechanical Dimensions	2.5" x 2" x 3"

\* For keyed adapters

Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering. All specifications are valid within temperature range of 18° C to 24°C unless otherwise noted. For additional specifications please contact OptoTest.