

# 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.

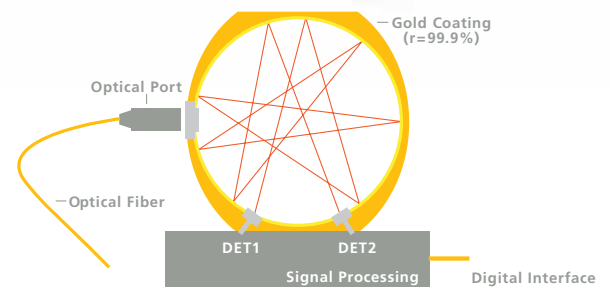
The unique two-port design is the ideal setup for efficient workbench operation. The **RHIS** dual optical port configuration as well can it be equipped with a choice of InGaAs and Silicon detectors to cover a wide wavelength range.



Model S-RHIS, Smart Remote Head Integrating Sphere

### Features

- Wide dynamic range detectors
- 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 all 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



|   | RHISxx                                   |
|---|--|
| Measurement Range                             | +10dBm..-45dBm                           |
| Wavelength Range                              | 830nm .. 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                                   |
| 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"                           |

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