

Medical Probe Test Bundle

DATASHEET

Designed for quality control and performance testing of endoscopy and medical probes, this spectroscopy bundle provides a complete solution for measuring and validating the light throughput of a device under test. The system combines an Avantes VARIUS™ spectrometer with a fiber-optic cable and uses an integrating sphere (various sizes available to accommodate any probe diameter) to collect the light outputting from the device. The entire configuration can be calibrated using a NIST traceable standard (ISO 17025 available upon request) for irradiance and flux to facilitate spectral power characterization.

The bundle can be configured with any of several illumination sources if desire to complete a test assembly. Options include our SMA coupled AvaLight-HAL-S-Mini tungsten halogen source (360-2500 nm) or our uniform source AvaSphere-50-LS-HAL which is a sphere with an integrated tungsten halogen illumination source.



KEY COMPONENTS



AvaSpec-VARIUS™
360-1100 nm
Resolution 0.5-10 nm
(slit dependent)



Fiber Optics
600 Micron Core
1-2 meters
(custom lengths available)



Integrating Sphere
AvaSphere-30-IRRAD

OPTIONAL ILLUMINATION SOURCES



AvaSphere-50-LS-HAL
Integrating Sphere with
Halogen Light Source



Avalight-HAL-S-Mini
Compact, stabilized
halogen light source