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Avantes introduces Integrating Sphere with internal halogen light source

AVANTES, leading in the field of fiber optic spectroscopy, introduces an integrating sphere with internal halogen light source. The integrating sphere can be used for reflection measurements with diffuse halogen light as illumination and a direct collimated SMA measurement port for reflection signal sampling to connect to the AvaSpec spectrometers.

The AvaSpere-50-LS-HAL is the ideal combination of an integrating sphere with an internal halogen light source. The advantage of the internal halogen light source is a factor of 160 times more light on the sample than with an integrating sphere and external fiber coupled light source and is therefore mostly suitable for dark reflecting materials and NIR spectral measurements. The AvaSpere-50-LS-HAL has an internal diameter of 50 mm, a sample port of 10 mm and an SMA terminated reference port. The 5W halogen lamp is stabilized and cooled with forced airflow. It comes with a 24V/1.25A power supply.

For additional information about Avantes' products and services or to request Avantes' free Solutions in Spectroscopy® catalogue, please visit the Avantes site at www.avantes.com or email to info@avantes.com or in North America infoUSA@avantes.com.

AVANTES develops and manufactures products in the field of spectroscopy, such as spectrometers, light sources, software, fibre optic cables and probes, accessories and fibre optic sensor systems. With over 15 years of experience in solutions in spectroscopy, **AVANTES** continues to produce innovative applications in diverse fields including industrial, chemical, petrochemical, gemmology, biomedical, semiconductor, and food processing technology.

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Photo*): AVANTES's new integrating sphere AvaSphere-50-LS-HAL