

Large Integrating Spheres

For measurement of high powered LEDs and sources, Avantes offers the AvaSphere-100, -150 and -200. The number corresponds with the internal diameter of the spheres in millimeters.

The 100, 150 and 200 models come with three ports: at 0, 90 degrees and NP. The port of your choice is fitted with a baffled SMA-905 connector, please specify when ordering. Either of the other two ports can be used for illumination or sampling. The default sample port sizes are typically 25% of the sphere's diameter. Port plugs or reducers are available on request.

All spheres can be attached to spectrometers via fiber-optic cables and the entire system can be irradiance calibrated to measure total flux of a lamp under test.



Technical Data

	AvaSphere-100	AvaSphere-150	AvaSphere-200
Wavelength range	400-1100 nm	400-1100 nm	400-1100 nm
Internal diameter	102 mm	152 mm	203 mm
Port diameters	25.4 mm	38.1 mm	50.8 mm
Port Reducers	10 mm	10 mm	10 mm
External Dimensions	118 mm	168 mm	218 mm

Ordering Information

AvaSphere-100	• Integrating Sphere, 100 mm, 3 ports (0,90,NP), 1 baffled SMA port, incl. Postmount
AvaSphere-100-SMA	• Additional SMA port for the AvaSphere-100
AvaSphere-100-PR10	• Port reducer for the AvaSphere-100 to 10 mm
AvaSphere-100-PP	• Port plug for unused ports for the AvaSphere-100
AvaSphere-150	• Integrating Sphere, 150 mm, 3 ports (0,90,NP), 1 baffled SMA port, incl. Postmount
AvaSphere-150-SMA	• Additional SMA port for the AvaSphere-150
AvaSphere-150-PR10	• Port reducer for the AvaSphere-150 to 10 mm
AvaSphere-150-PP	• Port plug for unused ports for the AvaSphere-150
AvaSphere-200	• Integrating Sphere, 200 mm, 3 ports (0,90,NP), 1 baffled SMA port, incl. Postmount
AvaSphere-200-SMA	• Additional SMA port for the AvaSphere-200
AvaSphere-200-PR10	• Port reducer for the AvaSphere-200 to 10 mm
AvaSphere-200-PP	• Port plug for unused ports for the AvaSphere-200

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