

# 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.

Special sizes on request.



## Technical Data

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

## Ordering Information

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

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