

System Sphere Specifications

Sphere	LMS-025	LMS-050	LMS-100	LMS-165	LMS-195
Order Number:	AA-80000-025	AA-80000-050	AA-80000-100	AA-80000-165	AA-80000-195
Sphere Size:	25 cm	50 cm	100 cm	165 cm	195 cm
Required Footprint:					
closed	45.9 cm x 30.2 cm x 39.1 cm	74.1 cm x 50.4 cm x 74.0 cm	128.0 cm x 98.1 cm x 166.7 cm	185 cm x 165 cm x 200 cm	213.2 cm x 187 cm x 226 cm
open	64.2 cm x 46.8 cm x 39.1 cm	103.7 cm x 89.9 cm x 74.0 cm	174.4 cm x 165.9 cm x 166.7 cm	269.3 cm x 271.8 cm x 200 cm	310 cm x 307.4 cm x 226 cm
Sphere Weight:	4 Kg	20 Kg	92 Kg	300 Kg	347 Kg
Sphere Color:	Labsphere Blue	Labsphere Blue	Labsphere Blue	Labsphere Blue	Labsphere Blue
Sphere Open Style:	Clam Shell	Clam Shell	Clam Shell	Clam Shell	Clam Shell
Sphere Assembly:	Spun Aluminum	Spun Aluminum	Spun Aluminum	Spun Aluminum	Spun Aluminum
Frame Style:	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum
Sphere Coating:	Spectrafect	Spectrafect	Spectrafect	Spectrafect	Spectrafect
Spectrafect Coating Reflectance:	> 97% (nominal)	> 97% (nominal)	> 97% (nominal)	> 97% (nominal)	> 97% (nominal)
Total Number of Ports:	6	6	6	6	6
SMA Adapter:	Included	Included	Included	Included	Included
Cosine Corrector:	Included	Included	Included	Included	Included
External DUT 2Pi Port Size:	5.08 cm	15 cm	33 cm	53 cm	63 cm
Detector Port Dimension:	1.25 cm	1.25 cm	1.25 cm	1.25 cm	1.25 cm
Detector Port Quantity:	1	2	2	2	2
Port Frame Reducer:	n/a	15 - 2.5 cm	33 cm - 15 cm; 15 cm - 2.5 cm	53 cm - 15 cm; 15 cm - 2.5 cm	63 cm - 15 cm; 15 cm - 2.5 cm
Temperature Probe Port:	2.5 cm	2.5 cm	2.5 cm	2.5 cm	2.5 cm
Max Lamp Size: (LM-79) 4 pi geometry	2.5 cm	<7 cm dia, 33 cm long	<14 cm dia, 67 cm long	<23 cm dia, 110 cm long	<27 cm dia, 130 cm long
Max Port or DUT Area: (2 pi)	5.08 cm dia.; 20 cm ²	15 cm dia.; 71 cm ²	33 cm dia.; 337 cm ²	53 cm dia.; 879 cm ²	63 cm dia.; 1246 cm ²
Max Linear DUT Dimension: 2/3 sphere diameter)	15 cm	33 cm	66 cm	110 cm	130 cm
Max Internal Surface Size: (2% Rule)(cm ²)	15 cm ²	63 cm ²	254 cm ²	673 cm ²	922 cm ²
Maximum Sphere Temperature:	100°C	100°C	100°C	100°C	100°C