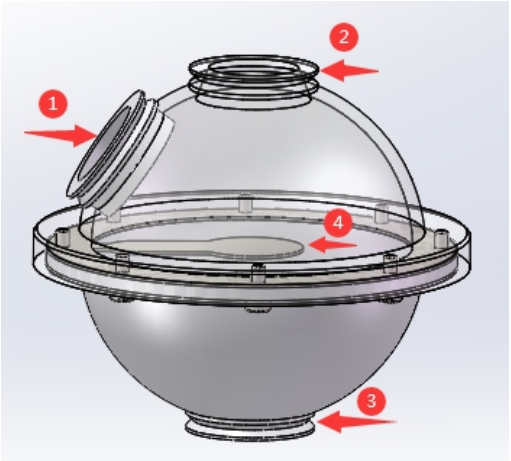
MSPA-0050 5cm Integrating Sphere





Features

1. Designed in accordance with international standards IES-LM-79 and IES-LM-80.
2. Interior uniformly coated with high-quality coating (mainly BaSO4), offering high reflectance.
3. Resistant to aging, providing high testing stability.
4. Well-sealed sphere with no light leakage.
5. Inner diameter of 5 cm (2 inch), anodized black finish, with a three-port design.

Configuration

Item	Description	Notes
1	Light Exit Port 1	φ14mm sphere port, can mount detector or fiber optic adapter
2	Light Exit Port 2	φ14mm sphere port, can mount detector or fiber optic adapter

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3	Light Entrance Port	φ14mm sphere port
4	Baffle	Prevents direct light from entering

Usage Examples



One-in-one-out (fiber optic)



One-in-two-out (fiber optic & detector)

Mounting Bracket



Reflectance(Report from NIM)

(nm)	ρ	(nm)	ρ	(nm)	ρ	(nm)	ρ
250	0.937	480	0.974	710	0.977	1550	0.922
260	0.941	490	0.975	720	0.976	1600	0.923
270	0.944	500	0.975	730	0.976	1650	0.928
280	0.948	510	0.976	740	0.976	1700	0.927
290	0.951	520	0.976	750	0.975	1750	0.919
300	0.954	530	0.976	760	0.975	1800	0.916
310	0.957	540	0.977	770	0.975	1850	0.914
320	0.960	550	0.977	780	0.975	1900	0.860
330	0.961	560	0.977	800	0.975	1950	0.813
340	0.962	570	0.977	850	0.973	2000	0.841
350	0.963	580	0.978	900	0.972	2050	0.852
360	0.965	590	0.978	950	0.970	2100	0.844
370	0.966	600	0.978	1000	0.969	2150	0.863
380	0.967	610	0.978	1050	0.968	2200	0.865
390	0.966	620	0.978	1100	0.967	2250	0.865
400	0.968	630	0.978	1150	0.964	2300	0.830
410	0.969	640	0.978	1200	0.960	2350	0.818
420	0.969	650	0.978	1250	0.960	2400	0.810
430	0.971	660	0.977	1300	0.958	2450	0.788
440	0.972	670	0.978	1350	0.954	2500	0.752
450	0.972	680	0.977	1400	0.939		
460	0.973	690	0.978	1450	0.913		
470	0.974	700	0.977	1500	0.915		