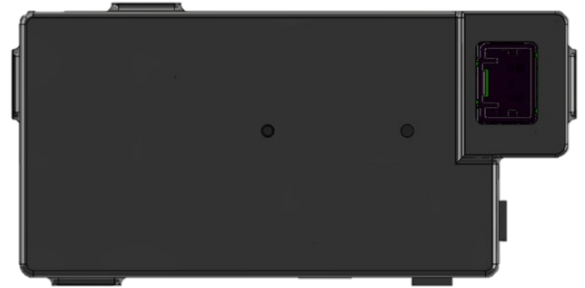


Product Information

The NLS006 series product is a laser type particle sensor that can measure the amount of PM2.5 dust with excellent precision and output it as a mass value.

It is characterized by high durability and has durability suitable for industrial air conditioning facilities and vehicles.

It has the characteristics of being able to mass-produce at a low price.



characteristic	Performance
Measurement method	light scattering method
Light source	Laser Diode
Measurement Range	0~1000 $\mu\text{g}/\text{m}^3$
Accuracy	<100 $\mu\text{g}/\text{m}^3 \pm 10\mu\text{g}/\text{m}^3$ ≥100 $\mu\text{g}/\text{m}^3 \pm 10\%$
Resolution	1 $\mu\text{g}/\text{m}^3$
Response Time	10Sec
warm-up time	< 5sec (operational) 30sec (maximum accuracy)
data output cycle	1sec
Output	Lin bus 2.2 Filtered PM2.5, sensor temp
Protection	IP52
Power Supply Requirements	9V~16VDC
Pin Designations	+IGN2 Lin Ground
Compliance	REACH, ROHS compliance components are AEC-Q qualified
Operating Conditions	-40°C to 80°C
Storage Conditions	-40°C to 85°C
Guaranteed Performance Range	-20°C to 60°C

Features

- ✓ Series products capable of OEM production according to customer requirements
- ✓ AEC-Q qualified components
- ✓ High accuracy through differentiated calibration process
- ✓ Includes own algorithm mode function to extend lifespan

Product Inquiry

- **Address: 717, Seongnam Central Biz Tower, 314, Galmachi-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, 13201, Gyeonggi-do**
- **Tel: 031-742-8200**
- **E-MAIL : sales@nids.co.kr**