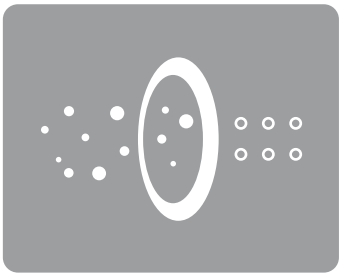




SENSOR
TECHNOLOGY

Laser Dust Sensor

- High accuracy
- Excellent consistency



Laser Dust Sensor

The DL0001 uses a laser diode as the light source to illuminate the sampling air boosted by the blower. When small particles enter the illuminated area, the laser beam is scattered. A photodetector placed in the specified position receives the scattered light and turns it into current signal which is then amplified and processed to indicate the concentration of particles. It can detect particles as small as 0.3 μ m diameter and output serial digital signal.

Features

- Excellent consistency
- High accuracy

Applications

- Ventilation System
- Air purifier
- Air conditioner
- Air quality monitor

AUDIOWELL | SENSOR TECHNOLOGY



Model	DL0001	DL0003
Detectable Sust Size	0.3~10 μ m	
Effective range of particle mass concentration	999 μ g/m ³	
Consistency	$\pm 10\%$ (100 ~ 500 μ g/m ³) $\pm 10\mu$ g/m ³ (0 ~ 100 μ g/m ³)	
DC power Supply Voltage	5 V	
Working current	≤ 100 mA	
Working Temp Range	-10 $^{\circ}$ C ~ +50 $^{\circ}$ C	
Working Hum Range	35~85%	
Maximum size	50 \times 40 \times 25 mm	48 \times 37 \times 12 mm