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# Gravity: Laser PM2.5 Air Quality Sensor For Arduino

SKU:SEN0177



## *INTRODUCTION*

PM2.5 laser dust sensor is a digital universal particle concentration sensor, it can be used to obtain the number of suspended particulate matter in a unit volume of air within 0.3 to 10 microns, namely the concentration of particulate matter, and output with digital interface, also can output quality data of per particle. The sensors can be embedded in a variety of concentrations of environment-related instruments suspended particulate matter [in the air](#), to provide timely and accurate concentration data.

## *SPECIFICATION*

- voltage: 4.95 ~ 5.05V
- Maximum electric current: 120mA
- Measuring pm diameter: 0.3~1.0/1.0~2.5/2.5~10 (um)
- Measuring pm range: 0~1000 ug/m3



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- Standby Current:  $\leq 200$  uA
- Response time:  $\leq 10$  s
- Operating temperature range:  $-20 \sim 50$ C
- Operating humidity range:  $0 \sim 80\%$  RH
- Maximum size:  $46 * 35 * 20$ mm (1.82 x 1.38 x 0.79 inches)
- MTBF:  $\geq 5$  years