



## PRODUCT SPECIFICATIONS

# Particulate Sensor

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Sensor Holder Material:	ABS
Sensor:	Optical, laser LED and photosensor Life span: estimated to be 5+ years, depends on application/atmosphere and continuous vs intermittent use p/n: CET-PM2.5 p/n: CET-PM10
Detectable:	Particle size: 0.3 to 10 $\mu\text{m}$ (micro meters) Smoke, dust, pollen, spores
Response Time ( $T_{90}$ ):	10 seconds
Resolutions:	1 $\mu\text{g}/\text{m}^3$
Sample Method:	Diffusion
Detection Range:	1 – 900 $\mu\text{g}/\text{m}^3$
Detection Error:	< 100 $\mu\text{g}/\text{m}^3 \pm 15 \mu\text{g}/\text{m}^3$ >100 $\mu\text{g}/\text{m}^3 \pm 15\%$
Operating:	Temperature: -10 to 50°C (14 to 122° F) Relative Humidity: 35 to 85% non-condensing
Power:	Powered by the YESAIR
Power Consumption:	100 mA
Stabilization:	After power on, immediately
Displayed Measurement:	PM2.5 or PM10 PM2.5 display label is P25 PM10 display label is P10 Value displayed is micrograms per cubic meter
Sensitivities:	Buildup of particulates adhered to the vents or the inside of the sensor should be cleaned with a vacuum or compressed air duster. The density of the particles being monitored is relevant to the accuracy of the sensor. Sensor may be affected by noise generating equipment such as an electric dust collector or power supply line. The sensor may be affected by vibration or mechanical oscillation. Avoid adhesive particles such as oil and wet particles.

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