## Environmental node SAEN series



## **Features**

- All-in-one environmental platform (PM1, PM2.5, RH, T, CO, CO<sub>2</sub>, NOx, VOC)
- CO<sub>2</sub> concentration monitoring for indoor comfort
- Fully customizable for different application needs
- Dust-protection and long lifetime
- Simplifies integration, reduces costs and saves energy

All-in-one environmental platform to simplify indoor air quality monitoring in vehicles. The modular platform combines multiple sensors in a never-before-seen form factor and can measure up to eight environmental parameters (PM1, PM2.5, RH, T, CO, CO2, NOx, VOC). At its core is a miniaturized, MEMS-based PM sensing component. Together with the patented geometric arrangement, it allows the integration of the light source, detector, signal processing and algorithm into a cost and space efficient solution.

## **Specifications**

-40°C to +80°C**	
-40 °C to +85 °C	
9-16 V	
LIN 2.1/2.2	
45mm × 57mm × 31mm	
55 g	
IP00, IP52 for indoor air	IP54 for outdoor air
-40°C to +80°C/response time <15s	-40°C to +80°C/response time <25s
±10 μg/m³ (1 to 66 μg/m³)	
±15% (66 to 1,000 μg/m³)	
0°C - 50°C: ± 200 ppm or ± 10% m.v. apply whatever is higher	
Indoor TVOC index	NOx/CO 10 AQS Lvs
	$\begin{array}{c} -40\ ^{\circ}\text{C to } +85\ ^{\circ}\text{C} \\ \hline 9-16\ ^{\circ}\text{C} \\ \text{I} \\ 110\ 2.1/2.2 \\ \hline 45\ \text{mm} \times 57\ \text{mm} \times 31\ \text{mm} \\ \hline 55\ \text{g} \\ \hline 110\ \text{p} \\ 110\ \text{o}, \ 110\ \text{P} \\ 110\ \text{c} \ 110\ \text{c} \\ 110\ \text{c} \ 11$

\* Product is under development - specifications are subject to change,

\*\* For detailed specifications for each parameter please contact us.