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INDUSTRIAL PRODUCT DATASHEET

Grove - SEN55 All-in-one environmental sensor - NOx, VOC, RH, Temp, PM1.0/2.5/4/10 with proprietary algorithms, HVAC, Air Purifier

The Grove-SEN55 is a comprehensive solution for measuring essential air quality parameters including NOx, VOC, particulate matter, humidity, and temperature.

SKU	UPDATED	PRICE
101021014	2026-11-11 08:47:30	$59.00(Excl. VAT)



Overview



The Grove-SEN55 is a comprehensive solution for measuring essential air quality parameters including NOx, VOC, particulate matter, humidity, and temperature. Its advanced algorithms make integration into HVAC and Air Purifier systems effortless and providing a hassle-free experience for end-users without the need for any coding.

Key Features

01 **All-in-one enviromental sensor**

providing accurate measurement of particulate matter, volatile organic compounds (VOCs), NOx, humidity and temperature.

02 **Easy integration into various applications**

the proprietary algorithms enable straightforward integration into Heating, Ventilation, Air Conditioning and Air Purifier

03 **Adaptive algorithm**

the STAR engine accelerates its response to ambient temperature which improves measurement accuracy and stability

04 **Low power consumption**

costs only 6.8 mA under RHT/Gas-Only Measurement Mode and 2.6 mA for Idle Mode

05 **Superior sensing accuracy and lifetime**

provide fully calibrated outputs with a digital interface and the high robustness enable fine performance for up to 10 years

Product Gallery







Resource Links

- https://www.seeedstudio.com/Grove-All-in-one-Environmental-Sensor-SEN55-p-5373.html
- Grove - SEN5X All-in-one environmental sensor Datasheet
- Community Innovations: A Showcase of Sensirion-Based Grove Projects

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