

lamaPLC: ENS160 + AHT21 Air Quality Sensor - CO, ECO, TVOC, Temp & Humidity Module

The ENS160 + AHT21 Air Quality Module is a combined environmental sensor board that measures indoor air pollutants (VOCs, eCO2, AQI) and climate conditions (Temperature, Humidity). It is a popular upgrade for older sensors like the CCS811 due to its integrated sensor fusion and automatic calibration.

- Detection of reducing (VOC) and oxidizing gases (such as NO²)
- MOX supports up to 4 gas sensors
- Integrated sensor measurement and heater drive control
- Integrated pre-calibrated sensor fusion and automatic correction algorithm

Key Capabilities ENS160 (Air Quality): Uses Metal-Oxide (MOX) technology to detect reducing and oxidizing gases. Outputs: Total Volatile Organic Compounds (TVOC), equivalent CO2 (eCO2) , and Air Quality Index (AQI). Target Gases: Ethanol, toluene, hydrogen, , and ozone. AHT21 (Climate): A high-precision digital temperature and humidity sensor. Temperature: accuracy; range of to . Humidity:

RH accuracy; range of to

RH.

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