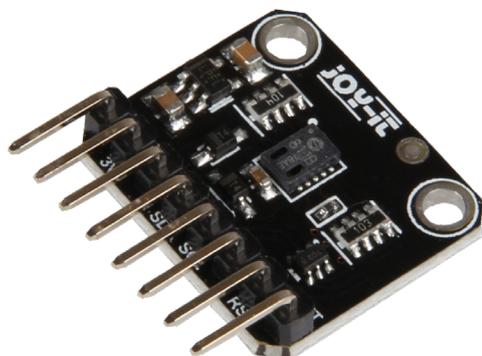


CCS811

Breakout-Board for air quality measurement



The CCS811 is a gas sensor that monitors the air quality and can measure a large number of volatile organic compounds (VOCs).

The sensor data can be converted to a total volatile organic compound (TVOC) or carbon dioxide equivalent (eCO₂) level.

NOTE A single burn-in of 48 hours and a warm-up time of 20 minutes is recommended before valid data can be expected.

KEY FEATURES

Digital Interface	I2C
Operating Voltage	3-5V
Compatible to	Arduino, Raspberry Pi
Dimensions	21 x 18 x 3 mm
Weight	1.2g
Scope of delivery	CCS811 Sensor

POLLUTANT DETECTION

Total Volatile Organic Compounds (TVOCs)	0 - 1187 ppb
equivalent CO ₂ -Level (eCO ₂)	400 - 8192 ppm

MODES OF OPERATION

Mode 0	Idle, Power saving mode
Mode 1	Constant power Mode 1 measurement per sec.
Mode 2	Pulse Heating Mode 1 measurement/10 sec.
Mode 3	Low Power Pulse Mode 1 measurement/60 sec.
Mode 4	Constant Power Mode 1 measurement/250 ms

ADDITIONAL INFORMATIONS

Article No.	SEN-CCS811V1
EAN	4250236817989
Customs tariff No.	9026900000