

Datasheet:



CO2 SENSOR FOR MICRO:BIT KIT

V1E - 2020-03-19

This board, designed for use with the Lets Talk Science Living Space Project, provides a CO₂, temperature and Relative Humidity measurements to a BBC micro:bit.

- Powers micro:bit using 3.3V regulator
- LED power inductor
- CO₂
- Relative Humidity
- Temperature
- Serial interface



Absolute Maximum Ratings

		Units
Max. supply voltage	12	V

Sensing

		Units
CO ₂ concentration range	0-2000	ppm
CO ₂ Accuracy	+ - 50	ppm
Temperature	-25-+55	C
Relative humidity	0-95	%

Electrical Characteristic

		Units
Max. Current consumption	40	mA
Supply voltage	5-9	V
Serial interface baud rate	9600	baud



Sensing Specification

This board uses the CO₂IR Ambient sensor for more information on this module, see: <https://www.gassensing.co.uk/product/cozир-a-co2-sensor/>

