



CO2 sensor enclosure (D1 Mini + SenseAir S8)



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Summary

A small enclosure for a Senseair S8 CO2 sensor and a Wemos D1 Mini ESP board. No supports and no fasteners needed.

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[esp8266](#) [d1](#) [co2](#) [quality](#) [s8](#) [homeassistant](#) [assistant](#)
[esphome](#) [co2sensor](#) [senseair](#)

Description:

A small enclosure for a Senseair S8 CO2 sensor and a Wemos D1 Mini ESP board. No supports and no fasteners needed. Everything just slides into place.

Tips:

Make sure the wiring connects from the wifi-side on the D1, and the plastic side on the Senseair, otherwise things may not fit.

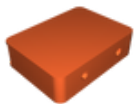
I printed this in PLA using a 0.4mm nozzle at .15mm layer height.

.STEP and .f3d files are included, feel free to improve/adapt and share alike!

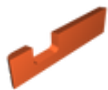
Software:

I'm using this with Home Assistant using the excellent ESPHome project.

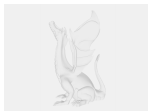
Model files



wemos-d1-mini-senseair-s8-v2.stl



wemos-d1-lid.stl



wemos-d1-mini-senseair-v2-v14.step



wemos-d1-mini-senseair-v2-v14.f3d

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