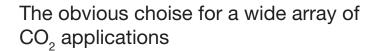
## Senseair S88 Residential



The S88 Residential is a refresh of our popular S8 platform that defined modern sensor pinning. The same form factor, the same cost efficiency, designed for mass production and it of course come with the same pinning.

What we have done with the S88 is refresh its internals, ensuring a long period of support and availability moving forward. We've also made sure it meets the latest standards, including ASHRAE 62.1-2022 addendum ab.

The appearance and I/O of the sensor remains identical, making sure that, should you choose, transitioning from the S8 to the S88 is as smooth as possible.

The S88 punches well above its weight in terms of both cost and size, and its ease of integration makes it an easy recommendation for a large variety of use cases.



## Standard specification\*

Article number 004-1-0100

Operating principle Non-dispersive infrared

Measured gas CO<sub>2</sub>

Measurement range 400–10000ppm

Accuracy ±50ppm ±3% of reading<sup>1</sup>

Operating conditions 0–50 °C

0-85% RH

Warm-up time < 10s Response time  $T_{63\%}$  < 30s Power supply 4.5–5.25V Peak current ≤ 300mA Average current ≤ 30mA

Communication UART (Modbus)

Outputs Digital

Compliance ANSI/ASHRAE 62.1-2022

RESET grade B WELL v2™

California Energy Code

Maintenance Maintenance free

Life expectancy > 15 years

Dimensions 33.9x19.8x8.7mm

Weight < 5g

Note 1:  $\pm 75$ ppm Accuracy at 600, 1000 and 2500ppm @ sea level, 77 °F (25 °C)

(ANSI/ASHRAE compliance)

Disclaimer: Please refer to product specification for the complete technical details.

## **Key benefits**

Compliant with:

ANSI/ASHRAE Standard 62.1-2022 +Addendum ab (October 31, 2023)

RESET grade B

WELL Building Standard<sup>®</sup> (WELL v2™) Title 24, California Energy Code

- Cost efficient
- Low Power consumption
- High Precision
- Mass Production
- Self-correcting



<sup>\*</sup> Might be changed without notice.