Senseair S88 LP PH — 11.54

The obvious choice for a wide array of CO_2 applications, with pin headers for easy product integration

The LP version of the Senseair S88 is the platform's most power efficient S88 option. The same form factor, the same cost efficiency, designed for mass production and it of course comes 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 Senseair S88 LP punches well above its weight in terms of both cost and size. Its ease of integration makes it an easy recommendation for a large variety of use cases

We offer Senseair S88 LP complete with pin headers for even easier product integration.

Key benefits

- Compliant with:
  ANSI/ASHRAE Standard 62.1-2022
  +Addendum ab (October 31, 2023)
  RESET grade B
  WELL Building Standard® (WELL v2™)
  Title 24, California Energy Code
- Cost efficient
- Low Power consumption
- High Precision
- Mass Production
- Self-correcting

Standard specification

Article number	004-1-0103
Operating principle	Non-dispersive infrared
Measured gas	CO_2
Measurement range	400–10 000 ppm
Accuracy	±30 ppm ±2% of reading[1]
Operating conditions	0–50 °C
	0–85% RH
Warm-up time	< 10 s
Response time	< 40 s
Power supply	4.5–5.25 V
Peak current	≤ 300 mA
Average current	≤ 18 mA
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	33.9x19.8x8.7 mm
Weight	< 5 g

Note 1: ±75ppm 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.

Senseair