



## S8

More than 30 years experience of research and development within the field of infrared gas sensing has brought us our smallest NDIR CO2 sensor. The sensor has excellent performance such as high accuracy and low power consumption.

### Defining attributes

- Low power consumption
- Miniature size
- Individually calibrated
- Maintenance free
- Long term stability

It comes in a few different variations, the residential variation intended for residential IAQ applications, a commercial variation for stricter compliances and a low power version for applications with power limitations.

Article number	004-0-0053
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Operating principle	Non-dispersive infrared (NDIR)
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Measured gas	CO <sub>2</sub>
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Measurement range	400–10 000ppm
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Accuracy	±40 ppm ±3% of reading
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Operating range RH <85 % RH

Operation range °C <50 °C

Warm-up time <60s

Response time ≤30s

Power supply 4.5 - 5.25 V

Peak current 300 mA

Average current 18mA

Communication Modbus protocol, UART

Outputs Digital

Compliance ANSI/ASHRAE 62.1-2022  
RESET grade B  
WELL v2™

Maintenance Maintenance free

Life expectancy >15 years

Dimensions 33.9 x 19.8 x 8.7 mm (L x W x H)

Weight 8 g



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Storage conditions    -40–70 °C