Senseair Sunlight CO,



World's most power efficient CO, sensor with NDIR technology

Compliant with HVAC and building standards, we now launch Senseair Sunlight - the world's most power efficient NDIR CO₂ sensor. Sunlight can be used in a wide range of applications but is optimal for battery and wireless applications or in places where you want to secure a reliable and secure sensor with long lifetime.

The module is designed for simple integration into products. The optical solid state design with no moving parts makes this sensor robust and resistant to vibrations.

With our automatic baseline correction Sunlight is maintenance-free, which means that you can mount and forget your sensor during its whole lifetime and it will still be accurate.

Standard specification

Article No. Measured gas Operating principle Measurement range (CO₂)

Accuracy (CO₂)

Average current Measurement period

Peak current Power supply Dimensions Weight Life expectancy Operating range Storage temperature Serial communication 006-1-0100 Carbon dioxide (CO₂) Non-dispersive infrared 400-5000ppm; extended range up to 10000ppm ±50ppm ±3% of reading ^{1,2} (extended range ±10% of reading) 1-30µA Default: 16s, 8 samples (adjustable by host) < 80mA 3.05-5.5V³ 34 x 21 x 12mm 5g > 15 years 0-50 °C, 0-85% RH -40-70 °C UART, I²C

Key benefits

- Ultra Low Power consumption
- Compliant with ANSI/ ASHRAE Standard 62.1-2022
- Compliant with RESET grad B
- Compliant with WELL Building Standard[®] (WELL v2[™])
- High Precision
- Robust
- Mass Production
- Self-correcting

Note 1:	15–35 °C, 0–80% RH, after 3 ABC (Automatic Baseline Correction)
	neviede and default measurements actions

periods and default measurements settings.

Note 2: Specification is referenced to uncertainty of calibration gas mixtures (±1%). Note 3: Unprotected against surges and reverse power supply polarity.

