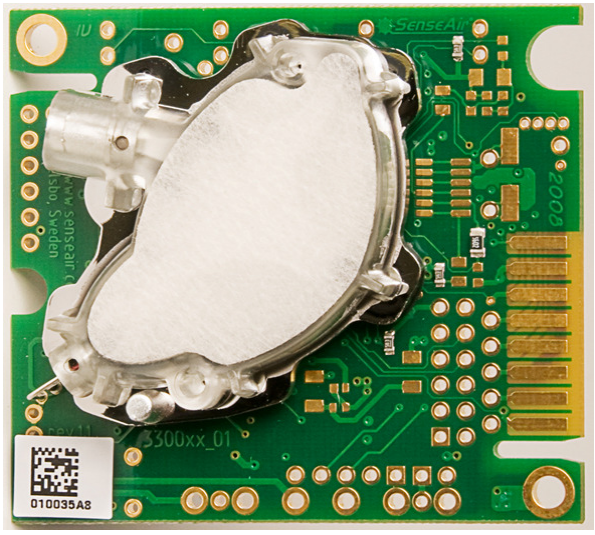
CO_2 Engine® K33 LP

Low-power CO_2 Sensor Module



CO_2 Engine® K33 LP is a low-power module. The adjustable measurement interval, results in average power consumption that can be reduced to less than 52 µA (measurement 1/60 min).

CO_2 Engine® K33 LP is designed for low-power application. The module is as all other sensors from SenseAir designed for high volume production with full traceability by sensor serial number on all manufacturing processes and key components. Every sensor is individually calibrated and is provided with UART digital interface. Optional features are RH/ Temp.

STANDARD SPECIFICATION

Art.no	033-8-0008
Measured gas	Carbon dioxide (CO2)
Operating Principle	Non-dispersive infrared (NDIR)
Measured gas	Carbon dioxide (CO2)
Measurement range	0 to 5000 ppm
Accuracy	± 30 ppm ± 3 % of reading
Dimensions	57 mm x 51 mm x 14 mm
Life Expectancy	> 15 years
Operation temperature range	0 to +50 ℃
Operation humidity range	0 to 80% RH (non-condensing)
Power supply	5-12 Volt DC
Power consumption	Measurement interval
1.5 mA	30s
0.74 mA	60s
86 uA	15 min
52 uA	60 min
Communication	I_2C/UART (Modbus)

Optional	Art.no
K33-LP T/RH	033-8-0009

APPLICATIONS

This platform is designed to be a low-power OEM module for integration into host apparatus, Such as battery operated products, sensors with radio transmitters. Any application where power consumption is important to keep at a minimum without sacrificing the performance.

KEY BENEFITS

- Low-power consumption
- Individually calibrated
- Maintenance-free
- High quality
- Long term stability

SenseAir®

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