FL-Fresh
Indoor environment sensor
Ceiling, desk & wall mount.

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General
Processor: 32-Bit ARM Cortex M0
LoRa Radio: SX1272
On-board internal antenna

Dimensions
80 x 90 x 30 mm

Environment
Temperature: -25 to +70 °C
Humidity: 5 to 95%
Housing: Plastic

Communication
LoRaWAN: 868 MHz

Power Requirements
Internal: Non-rechargeable 3.6V
(Battery lifetime - 3 years)*

Power Consumption
Deep sleep mode: < 4µA
0.1 sec transmission mode 20mA

On-board Sensors

CO2
NDIR measurement
Range: 0 - 40000 ppm
Accuracy: ±30ppm + 3%

Temperature
Range: -40°C - 70°C
Accuracy: ± 0.3°C

Humidity
Range: 0%RH – 100%RH
Accuracy: ± 2% RH

Pressure
Range: 300hPa - 1100 hPa
Accuracy: ± 0.12 hPa

*1 LoRa packet per hour.