

BLOCK

BLOCK CO2

 Part **BLTCO2**

The LoggerFlex BLOCK CO2 monitoring solution stands out as the only device on the market offering a unique long-term exposure monitoring capability. It records CO2 intensity, temperature, and relative humidity while providing instant alarms via email, SMS, and phone calls for high CO2 levels or out-of-range temperature thresholds. Its advanced feature allows users to define an unlimited number of rules for long exposure level alarms.

BLOCK



At a glance


MEASURES

 Temperature, Relative Humidity,
 CO2 Concentration, Digital
 Input

CONNECTIVITY

WiFi 2.4 GHz


BATTERY LIFE

Up to 3 years on 4 × AA


INTERNAL MEMORY

 64,000 records of each
 measured parameter

RECORDING INTERVAL

1 minute to 30 minutes


INGRESS PROTECTION

IP31

Ports and connectivity

Port I

Not used

Port II

Dry Contact

Port III

Flood Detector

Connectivity

WiFi 2.4 GHz

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Temperature Built-in · Record & Alarm	-10 °C to +60 °C (14 °F to +140 °F)	±0.6 °C (±1.1 °F)	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0% to 99% non-condensing	±3%	1%
CO2 Concentration Built-in · Record & Alarm	400 ppm to 5,000 ppm	400-1,000 ppm: ±(50 ppm + 2.5% of reading), 1,001-2,000 ppm: ±(50 ppm + 3% of reading), 2,001-5,000 ppm: ±(40 ppm + 5% of reading)	±50.0 ppm ±2.5 %m.v.

— Plug-in sensors

SENSOR	CABLE
Digital Input Detachable · Optional · Alarm	Up to 100 m (330 ft)
Flood Detector Detachable · Optional · Alarm	Up to 100 m (330 ft)

RECORDING, LF CLOUD AND POWER

Internal memory	64,000 records of each measured parameter
Recording interval	1 minute to 30 minutes (down to 3 seconds by order, set by LoggerFlex)
Cloud sync interval	1 hour to once a week (down to 1 min. by order)
Battery life	Up to 3 years on 4 × AA (depending on settings, reception, ambient temperature, battery quality and alarms)
External power	USB-C 5 V DC (supply not included)

ENCLOSURE AND ENVIRONMENT

Dimensions (L × W × H)	53 × 43 × 133 mm (2 3/32 × 1 11/16 × 5 1/4 in)
Net weight	196 g (6.9 oz)
Ingress protection	IP31 (housing, protected against dripping water, not waterproof)

WIRELESS AND COMPLIANCE

WiFi	IEEE 802.11 b/g/n, 2.4 GHz · Contains FCC ID 2AC7Z-ESPWROOM32
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MORE FEATURES

Lowest working temperature	-30 °C (-22 °F)
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Request a quote →

Sold and supported through LoggerFlex distributors. An engineer replies within one business day.

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Product page,
manuals and
LF Cloud
setup