

## APPLICATION

*“bun Green” is a Carbon dioxide (CO<sub>2</sub>)\* and volatile organic compounds (VOC) recorder and alarm system. It is powered by 2 replaceable AA batteries for up to 5 years and connects directly to Wi-Fi. “bun Green” benefits from an accurate internal temperature and relative humidity (RH) sensor and compensates the temperature and RH effect in CO<sub>2</sub> and VOC measurements. More than an accurate meter and a reliable logger, “bun GREEN” is also a cloud-based alarm system.*

*All setting parameters like measurement intervals, upload intervals, minimum and maximum allowed CO<sub>2</sub> and VOC thresholds can be set through a web-based application on any platform. It sends out email and text message alarms as soon as any parameter goes wrong. It provides access to the records’ history, graphs and periodical reports on any platform. Its hardware and software installation is very easy and does not require any special tools or applications.*

*VOC sensors can be used for monitoring air quality, flammable gas leakage, agricultural products, post-harvest storage and health monitoring.*



### GENERAL SPECIFICATIONS

Built in sensors	CO <sub>2</sub> , VOC, Temperature, RH
Output data	CO <sub>2</sub> & VOC (Temperature and RH compensated)
CO <sub>2</sub> measurement range	400 – 29206 ppm
VOC measurement range	0 – 32768 ppb
Working temperature range	°C -5 to +50
	°F 20 to +120
Working RH range	10 – 95% (No condensation)
Power supply	2 x AA replaceable battery
Protection class	IP 54
Compliances	IEEE 802.3, EN 61326-1, EN 61010, EN 12830, FCCID: 2AHMR-ESP12F, CE, ROHS, HACCP
Battery life**	Up to 2 years
Upload intervals	One hour to once a week (or on demand)
Record intervals	1 minute to 120 minutes (down 2 sec. by order)
Interface	Wi-Fi - IEEE 802.3 – 2.4 GHz
Max. number of internal records	16,384 – Automatic cloud sync and replace

\* bun Green benefits from a VOC sensor and Carbon dioxide (CO<sub>2</sub>) value is calculated based on VOC emitted by human.

\*\*Depends on reading and upload intervals and environmental conditions. Battery life is more than 2 years in a standard set up. (Standard set up is room temperature 20 °C measurement every 15 minutes upload every 48 hours).

## AMBIENT STORAGE CONDITIONS

Storage temperature	°C	-25 to +75
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## DIMENSIONS

Diameter (max.)	L	mm	80.0
Height (max.)	H	mm	34.5