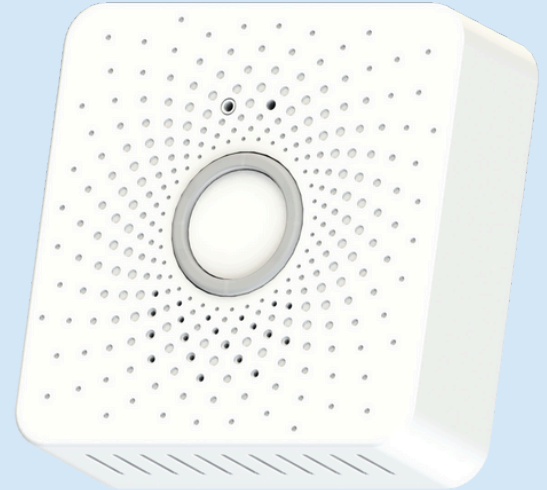


TEKTELIC BREEZE

A LoRaWAN® connected CO2 Monitoring Solution

The TEKTELIC BREEZE Is a member of our Smart Room Sensor family and integrates practical functionality into a very small form factor. With two variants options, it is an ideal solution for holistically monitoring ambient indoor environments. BREEZE measures and reports real-time CO2 levels, temperature, humidity and light in its surrounding environment, while the BREEZE-V also has additional PIR for motion detection.

- Smart Home & Office
- Schools & Universities
- Retail
- Public Buildings
- Ambient Air Quality Monitoring
- Indoor Environment Monitoring
- Facility Management
- HVAC Optimization



Features

- » User Configurable Parameters and Thresholds
- » Designed for Optimal Battery Life
- » Pairable with E-Ink Display
- » Wall, Ceiling or Table Mount Configurations
- » Simple Deployment
- » Sleek and Unobstructed Design
- » Ambient Indoor Environment Monitoring

Applications

- » Temperature
- » Humidity
- » Light
- » Barometric Air Pressure
- » CO2 Concentration

TEKTELIC BREEZE

A LoRaWAN® connected CO2 Monitoring Solution

Technical and Functional System Specifications

General System Parameters

Operational Temperature	0°C to 60°C
Storage Temperature	-40°C to 60°C
Relative Humidity-Operational	5% - 95% Non-Condensing (Operational)
Ingress Protection	IP30
Size	80 x 80 x 30 mm (with mounting clip)
	80 x 80 x 26 mm (without mounting clip)
Weight (including batteries)	91g (with Battery)
Battery	2x AA LTC

Optimized Battery Life

Operational Temperature	15-25°C
Tx Power	LoRa: 15dBm BLE: 0dBm

Battery Life in Years

Report Frequency	SF 10	SF 7
Every 5 min (active), Every 1 hr (inactive)	5.0	8.4
Every 5 min (active), Every 30 min (inactive)	4.3	7.6
Always reports every 15 minutes	5.2	8.8

Active: 10 hours during weekdays
Inactive: Rest of the week outside of active hours

Wireless Parameters

	LoRa	BLE
RF Power	15 dBm	0 dBm
RF Sensitivity	-137dBm	-96 dBm (1 Mbps)
Radio	SX1261	STM32WB
Supported ISM Bands	All Regions Identified by LoRa Alliance	2.4GHz ISM
Antenna	Internal	Internal
LoRa Device Class	A	/

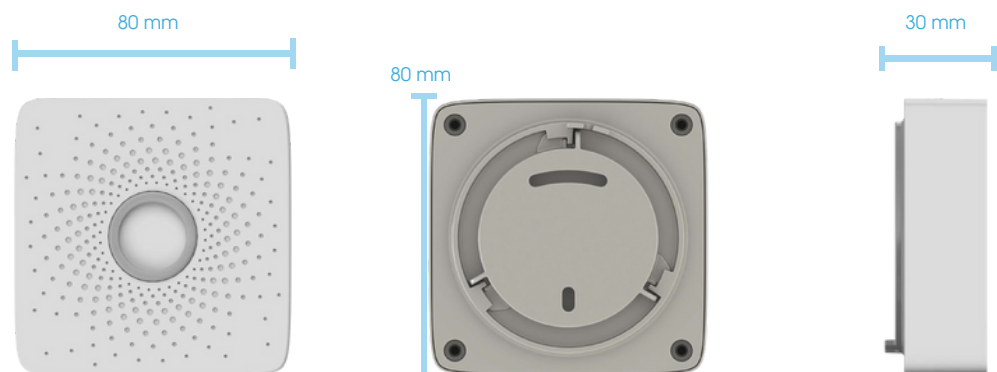
Regulatory Compliance

Safety	IEC 60529-1
Regulatory	ETSI EN 300 220 -1/-2
	ETSI EN 301-489-1/-3
	FCC 15.247, FCC 15.209, FCC 15.109
	ICES-003, RSS-247, RSS-Gen

Specifications subject to change without notice*.

Sensing Functions

Temperature	0-60C +/- 0.3C
Humidity	0-100% +/- 4%, 20-80% +/- 2%
Light	5-1000 lux
Barometer	300 -1200 hPa +/- 1hPa
CO2	400-5000ppm +/- 30ppm +3% of reading



UC-Wireless is a leading MEA distributor of best-of-breed communication technology and systems. As part of our comprehensive solutions, we proudly distribute TEKTELIC Communications, a premier manufacturer of world-class LoRaWAN® IoT Gateways, Sensors, and custom applications. Partnering with TEKTELIC and our other OEMs allows us to deliver enterprise-grade, end-to-end IoT solutions that are easily, quickly, and cost-effectively deployed across industries to meet even the most demanding IoT challenges. Visit us at uc-wireless.com for more information.