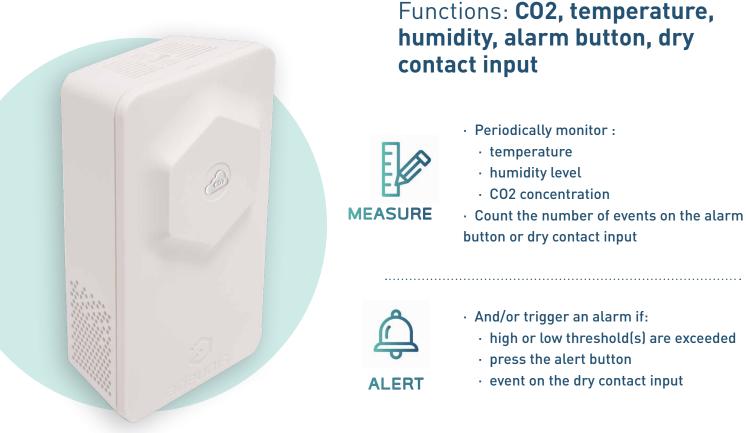
<u>COMFORT</u> CO2



Optimising comfort and ensuring the health of occupants



Additional features:

- User information: indicator light on the unit
- CO2 calibration: automatic or manual via button or downlink
- Data sending mode: periodic and/or on events
- Optimisation of autonomy: historisation
- Data accessibility: redundancy
- Alarm repetition in case of persistent event
- · Error / fault management: configuration error, low battery
- Data time-stamping (LoRaWAN)
- Network quality test at start-up (LoRaWAN)



Working environment Ensuring air quality in the workplace for the comfort and health of users. Schools, Colleges and High Schools In response to legislation: monitoring and improving indoor air quality.

TECHNICAL SPECIFICATIONS

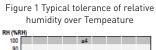


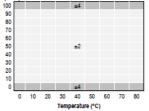


LoRaWAN ARF8373AB | Sigfox ARF8373CB

Mechanical speci	ifications				
Weight		146 g (battery included)			
Dimensions		111 x 61 x 40 mm			
Enclosure		IP20, Bayblend® FR3010 (PC/ABS) plastique, blanc			
Mounting		Wall or laid flat			
Operating conditi	ions				
Temperature		0°C / +50°C			
Humidity		0 to 85% RH (non-condensing)			
Device Power Su	pply				
Battery Type		1 connectorized battery pack			
Device configurat	tion				
Local device configuration		IoT Configurator			
Remote device configuration		Downlink via the network or via the KARE platform or through the KARE platform			
Configuration and firmware up- date over-the-air		KARE+ compatible			
Security		PIN/PUK Code protection			
Radio/Wireless					
Supported regions		LoRaWAN EU863-870 / Sigfox RC1			
Wireless Security		AES-128 data encryption (LoRaWAN only)			
Class		LoRaWAN: Class A Sigfox: Class 0			
Supported LoRaWAN features		OTAA, ABP, ADR, adaptive channel setup			
RF transmit power		14 dBm			
Sensitivity		-136 dBm LoRaWAN @SF12 / <-120 dBm Sigfox			
Regulations and	certifications				
Standard		Directive 2014/53/UE (RED)			
Humidity SENSOR		Temperature SENSOR CO2 concentration SENSOR			
Technology	CMOSens®	Technology	CMOSens®	Technology	NDIR
Resolution type	0.01 %HR	Resolution type	+/- 0.015°C	Measurement range	400 - 5000 ppm
Range	0 à 100 HR%	Range	-40°C / +125°C	Resolution	1 ppm
Typical tolerance of RH over T°	Figure 1	Accurancy	Figure 3	Precision	+/- 30 ppm + 3% de la mesure
Accuracy at 25°C	Figuro 2				

Accuracy at 25°C Figure 2







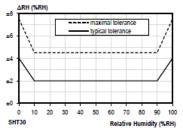


Figure 3 Temperature accurancy

