

[Features]

- Can be placed directly in the refrigerator, with its own battery, quick installation and no engineering.
- Optional "temperature", "temperature and humidity", "CO2", "PM2.5" or "TVOC" sensors.
- Bluetooth Mesh, non-traditional star structure.
- The device itself is both a sensor and a communication springboard.
- Built-in battery capacity up to 15000mAh.
- Equipped with a temperature and humidity sensor, under good communication conditions, a battery can be used for more than 700 days after one minute of sensing
- The point-to-point transmission distance is 30 meters indoors and 70 meters outdoors.
- The communication signal can cross the compartment floor or even the building in the indoor space.
- Up to 10 springboards can be jumped on the communication transmission.
- Can transmit value/power/return rate.
- Can read the response status of all sensors, and then understand the communication status of the field.
- With TAF certification.



[Applications] Medical refrigerators, greenhouses, indoor air products, cold chain

[Optional code]

SKYNET - Code 1 - Code2 - Code 3

Code 1	Function	Code 2	Sensor	Code 3	Power
S	Sensing end	T	Temperature	B	15,000mAh Lithium battery
		TR	Temp./ humidity		
		CO2	CO2	5	5V Type C Power supply
		P2	PM2.5		
		V	TVOC(Semiconductor)		

※If you need Client or Repeater, please refer to OBT catalog.

[Optional purchase]

Model	Item	Specifications
BAT-37-15	Skynet lithium battery pack	DC 3.7V 15000mAh
CH37	3.7V lithium battery charger	Input:AC100~240V Output:DC4.2V 2A
SKYNET-L	Skynet L-shaped mount	Size: 100×80×50mm/SUS304 stainless steel
SKYNET-Tripod Mounting	Skynet tripod mount	Ø80×5.5mm/SUS304 stainless steel

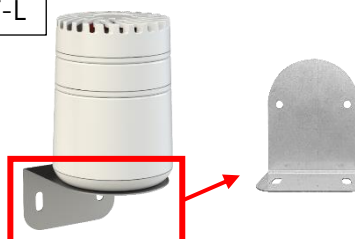
CH37



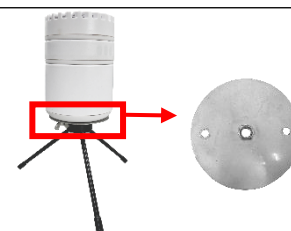
BAT-37-15



SKYNET-L



SKYNET-Tripod Mounting



[Specifications]

Power	Type C 5VDC or 4.2V Lithium battery	Power Consumption	62mW
Communication	Bluetooth BT Mesh		
Signal input	Optional Temp and RH sensors / CO2 / PM2.5		
Dimension	Ø85x116(mm)		
Weight	<550g		
Safety certification	CE/FCC		
Patent	M594326		

SKYNET Specifications						
Sensors Principle	Range	T90	Operating temperature	Resolution		Environmental equilibrium time (Change location)
Temp (Resistive)	(-)25~(+)85°C	<120 Sec	(-)25~(+)85°C	~0.1°C		< 40min
RH (Capacitive)	0% ~ 100%	<120 Sec	(-)25~(+)60°C	~0.1%		< 40min
CO ₂ (Infrared)	0~10,000ppm	<120 S	0~50°C	1ppm		±30ppm ±3% of Reading 10sec
PM2.5 (Laser)	0~1,000µg / m ³	<90 S	-10°C~65°C	0.1 µg/ m ³		±10µg/ m ³ ±5% of Reading 5min
TVOC (Semiconductor)	0~60ppm	<90 S	0°C~40°C	Range	Resolution	±10% 5min
				≤2.008 ppm	1 ppb	
				≤11.11 ppm	6 ppb	
				≤60 ppm	32 ppb	

[Dimension] mm



[Application Architecture]

