SAFETY SCAN USA

RESIDENTIAL IoT GAS DETECTOR

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RESIDENTIAL IoT GAS DETECTOR

Household IoT detector for continuous measurement of methane and/or carbon dioxide/carbon dioxide indoor: residential buildings, municipal and industrial premises. Developed for use with NDIR sensor MIPEX-04 (Optosense/SIA Mipex) and electrochemical sensors.

Designed for:
- ✓ instant light and sound alarm for people's safety
- ✓ notification of emergency services through radio channel data transmission

ADVANTAGES

TRANSMITTIN RANGE:
- LoRa: up to **3 km**
- BLE: up to 50m
- GSM/NB-IoT: unlimited

MEASURED GASES:
CH_4: 0-100 LEL, 0-100%vol.
CO: 0-500 ppm
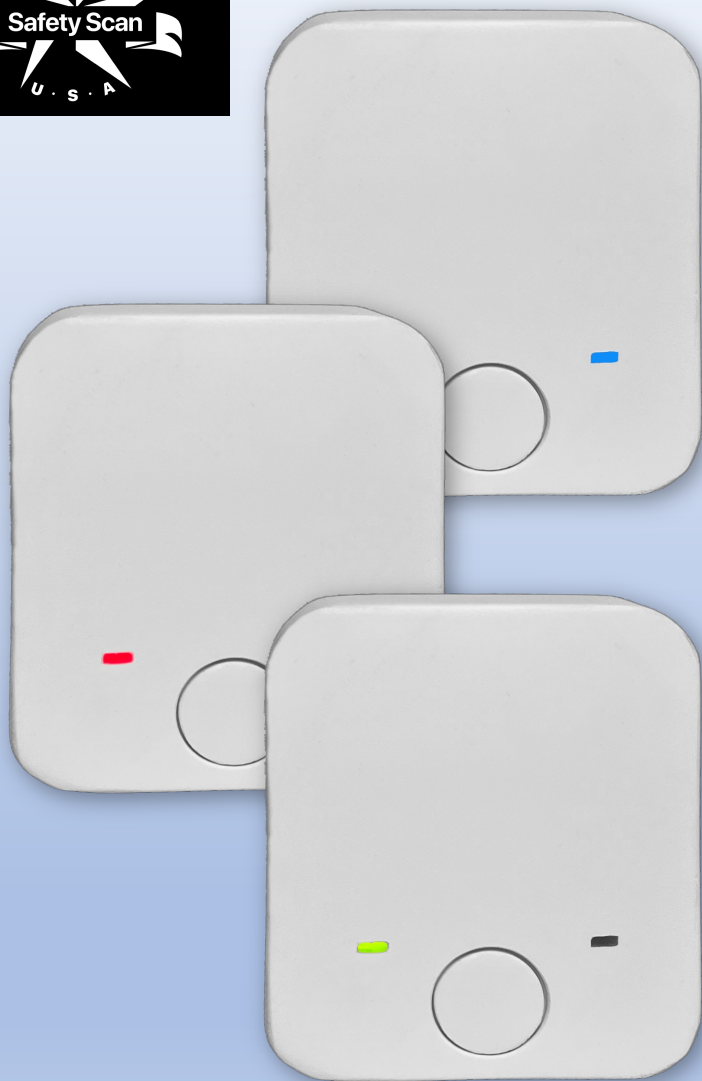CO_2: 0-2,5% vol., 0-5% vol.

LIGHT INDICATION:
- green/red/blue LEDs

SOUND INDICATION:
not less then 80 dB at **1m** distance

AVERAGE LIFETIME:
up to **10 years** with build-in battery

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Bluetooth™	
Type	Bluetooth Low Energy
Frequency range	2402-2480 MHz
Maximum power	20 mW
LoRa™ (Optional, INSTALLED)	
Type	LoRaWAN LoRa P2P
Maximum power	25 mW
Device class	A
Frequency band	915 MHz (US) 868 MHz (EU) 434 MHz (CN, EU, RU)
NB IoT (Optional, Not Installed)	
Standard	LTE CAT-M1
Channels	B2/B4/B5/B12/B13/B26
Data transfer rate	588 kbps DL 1119 kbps UL

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APPLICATION EXAMPLES

➢ Ideal for monitoring gas conditions in residential areas
➢ Does not require human presence
➢ Can be used in office premises in conjunction with a centralized fire alarm system
➢ Suitable for monitoring the gas situation in private homes

ADVANTAGES	
Height	95 mm
Width	85 mm
Thickness	40 mm
Weight	<150 g
POWER SUPPLY PARAMETERS:	
Battery	ER34615 (Size D)
Electrolyte type	Li/SOCl2
Number of batteries	1
Nominal voltage	3.6 V
Nominal capacity	19000 mAh