Sigfox OZONE Sensor WSSFC-G4-O3

SKU: WSSFC-G4-O3

Doc No: WSSFC-G4-O3-DS-EN-10

Introduction

WSSFC-G4-O3 is a Sigfox sensor with a built-in high performance electrochemical gas sensor to measure the concentration of Ozone (O3) in the air. With Ultra-low power design and smart firmware allow the complete Wireless and Sensor package run on 2 x AA battery 1.5V for 2-5 years with 15 minutes update. It can support the following regions RC1, RC2, & RC4.

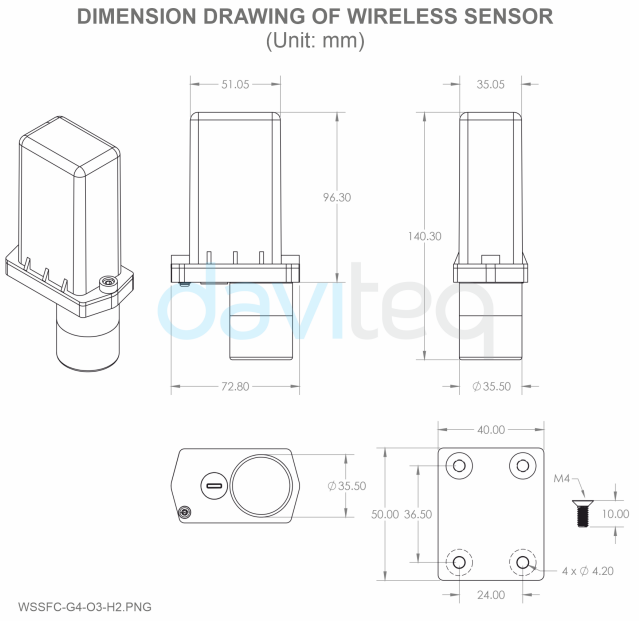
- High stability Electrochemical sensor ;
- Sigfox Ready;
- 2-5 years battery life with 15 minutes update;
- Plug & Play.

Typical Applications

- Monitor the concentration of Ozone gas (O3) in the air.



WSSFC-G4-O3-H1.PNG



WSSFC-G4-O3-H2.PNG



WSSFC-G4-O3-H3.PNG

Interfering Gas	Concentration [ppm]	Reading [ppm]
C_2H_4	100	0
CH_2O	7	0
Cl_2	5	4
CO	100	0
Ethanol (C_2H_5OH)	60	0
H_2	100	0
H_2S	20	< -20
HCl	20	0
NH_3	80	0
NO	50	0
NO_2	5	~ 5
SO_2	5	0

Specification

SENSOR SPECIFICATION	
Measurement Range	Select: 0 to 5 or 100 ppm of O3
Detection Limit	1 ppb
Resolution	1 ppb
Repeatability	< ± 2 % of reading
Response Time	T(90) < 60 seconds
Expected Sensor Life	02 years in normal Air
Expected Long Term Output Drift in air	< 2 % signal loss per month
Operating Temperature Range	-40 to 50 °C
Operating Humidity Range	non-condensing 15 to 90% recommended continuous 0 to >95% RH - intermittent
SIGFOX SPECIFICATION	
Sigfox zones	select RC1-RC2-RC4
Antenna	Internal Antenna 2 dbi
Configuration	via Downlink or offline USB cable (PC software is supplied at free)
Battery	02 x AA Type 1.5VDC
RF Module complies to	CE, FCC, ARIB
Working temperature	-40°C..+60°C (using Energizer Lithium Ultimate AA battery)
Dimensions	H140xW73xD42
Net-weight	250 grams
Housing	Polycarbonate, IP67

Mounting	Wall mount bracket

Ordering Code

Item code	Descriptions
WSSFC-G4-O3-5-01	SIGFOX OZONE GAS SENSOR MODULE, 0-5 PPM, 1PPB RESOLUTION, 4-SERIE, BATTERY 1.5V, IP67, FOR RC1-RC2-RC4 ZONES

⚠ Link for full datasheet: https://filerun.daviteq.com/wl/?id=DEM7XrPnDg4eo1P5cp62WwjNow148TWw

⚠ Link for manual:

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