Sigfox-Ready Ex d Approved Gas Sensor WSSFCEX-G

SKU: WSSFCEX-G

Doc No: WSSFCEX-G-DS-EN-10

Introduction

WSSFCEX-G is a Sigfox-ready gas sensor with explosion-proof approval, comes with a selectable gas sensor module to measure different types of gas. With Ultra-low-power design and smart firmware allow the complete Wireless and Sensor package to run on a single battery type D for 5 years or more with 15 minutes update. It can support the following regions RC1, RC2, RC3c, and RC4.

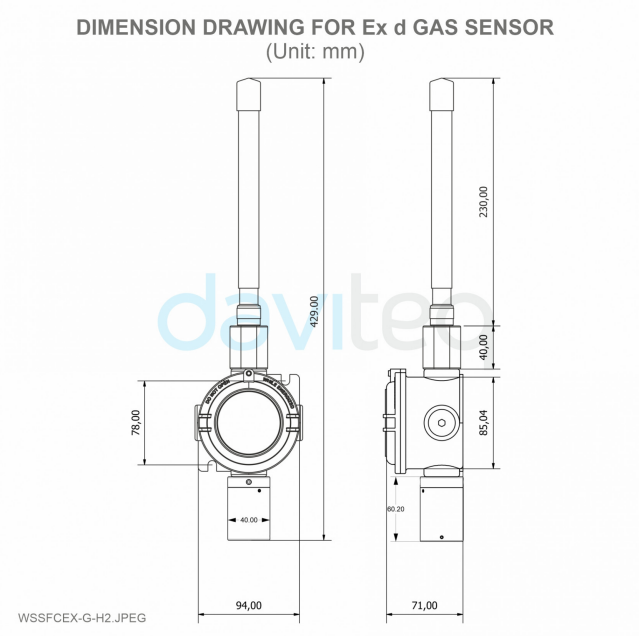
- Ex d Approved;
- High-performance Electrochemical sensor;
- Calibration via downlink;
- Sigfox Ready for RC1-RC2-RC3c-RC4;
- 5 years battery life with 15 minutes updates;
- Plug & Play.

Select Gas Modules

- Ethylene
- Ethylene Oxide
- Organic Acids
- Alcohols
- Carbon Monoxide
- Carbon Disulfide
- Chlorine, Br2, Bromine
- Chlorine Dioxide
- Hydrogen
- Hydrogen
- Hydrogen Peroxide
- Hydrogen Sulfide
- Hydrogen Bromide
- Hydrogen Chloride
- Hydrogen Fluoride
- Hydrogen Cyanide
- Ammonia
- Nitric Oxide
- Nitrogen Dioxide
- Oxygen
- Ozone
- Phosphine
- Silane
- Sulfur Dioxide
- Volatile Organic Compound



WSSFCEX-G-H1.JPEG



WSSFCEX-G-H2.JPEG

Specification

SENSOR SPECIFICATION	
Please contact us to get individual sensor specification sheet.	
SIGFOX SPECIFICATION	
Sigfox zones	select RC1-RC2-RC3c-RC4

Antenna	External Antenna
Configuration	via Downlink or offline USB cable (PC software is supplied for free)
Battery	01 x D type LiSOCl2 3.6V battery
RF Module complies to	CE, FCC, ARIB
Electronics Working temperature	-40°C..+85°C
Housing	Cast aluminum, powder-coated, IP66
ATEX Certificates	IMQ 14 ATEX 005 X, TÜV CY 18 ATEX 0206158 X and IECEx DEK 15.0048X
Marking	ATEX II 2G Ex db IIC T5/T6 Gb and ATEX II 2D Ex tb IIIC T100/T85°C Db
Directive	ATEX 2014/34/EU
Standards	IEC-EN60079-0 IEC-EN60079-1 IEC-EN60079-31
Applicable zones	Zone 1 - 21 (gas) and Zone 2 - 22 (dust)
Mounting	wall mounting holes
Product dimensions	H100xW100xD80 (excluded antenna)
Net weight	1.5 kgs
Packaging dimension	W160 x D150 x H250 mm
Gross weight	< 1.6 kgs

Ordering Code

Item code	**Descriptions**
WSSFCEX-G-X-Y	SIGFOX-READY GAS SENSOR, EX D APPROVED ZONES 1-2-21-22, BATTERY 3.6V, IP66, FOR RC1-RC2-RC3c-RC4 ZONES
	-X: GAS NAME -Y: MEASUREMENT RANGE **SELECT GAS SENSOR MODULES AS BELOW**
-CH2O-10	FORMALDEHYDE, 10 PPM
-CH2O-50	FORMALDEHYDE, 50 PPM
-CH2O-1000	FORMALDEHYDE, 1000 PPM
-C2H4-10	ETHYLENE, 10 PPM
-C2H4-200	ETHYLENE, 200 PPM
-C2H4-1500	ETHYLENE, 1500 PPM
-ETO-10	ETHYLENE OXIDE, 10 PPM

-ETO-100	ETHYLENE OXIDE, 100 PPM
-ETO-1000	ETHYLENE OXIDE, 1000 PPM
	for other sensors, please contact us.

⚠ Link for full datasheet:

⚠ Link for manual:

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