SPECIFICATION SHEET: MULTI-GAS AREA MONITOR

Functional settings	
SOS latch:	Pull latch to trigger SOS alert
Low-battery:	Configurable threshold
Connection lost	Configurable threshold
Two-way messages:	Custom messages and 10 preconfigured sent to monitoring personnel
Maintenance code:	Configurable 4 digit
Gas cartridge features	
Alerts	High Gas Alert
	Low Gas Warning alarm: Under Limit (UL)
Bump test and calibration notification	Bump test and calibration failure
Dimensions	
WxHxD (mm)	385 x 188 x 220
Weight:	12.25Kg
Material:	Material: Rugged housing built from aluminum, plastic, and rubberized bumpers
Wireless updates	
Device configuration changes:	Yes
Device firmware upgrade OTA: Yes	Yes
User interface	
Display:	4.4" diagonal, 480 by 640 pixel, eight-color active matrix liquid crystal display
Menu system	Driven by three-button keypad
	Power button: On/off
SOS latch	Send SOS alert
Multi-language support	(EN, FR, ES, DE, IT, NL, PT)
User notification	
Lights:	360-degree visible yellow and red lights
Green light	C light: Blinking (powered), continuous (connected)
Lights:	360-degree visible yellow and red lights
Yellow light:	Warning alarms
Red light:	Alerts

Cellular wireless radio	
Wireless coverage:	100 Countries, 200 wireless carriers
Asia Pacific:	3G/4G radio; 3G UMTS band 1; 4G bands 3, 8, and 28
Antenna:	Internal

Power & battery	
Rechargeable battery capacity:	144 Ah (LiFePO4)
Battery life in diffusion mode:	100 days at 20°C, LEL-IR, H2S, CO, and O2 configuration
Battery life in pump mode:	30 days at 20°C
Charge time:	~12 hrs
Charge temp:	0°C to 45°C
A/B interface ports	
External signal ports:	Intrinsically safe, highly configurable, designed to integrate with external alarms and electrical systems.
Interface ports	Four Pins each
Pin 1:	Low side switch - Voc=24Vdc, Isc=3.33A, Co=0F, Lo=0H
Pin 2:	Ground
Pin 3: High voltage out	High Voltage Out: Voc=18Vdc, Isc=268mA, Co=0.194uF, Lo=495uH
Pin 4: Low voltage out	Low Voltage Out: Voc=3.2Vdc, Isc=32mA, Co=100uF, Lo=23.9uH
Environmental	
Storage temp:	-40°C to 60°C
Operating temp:	-20°C to 50°C
Ingress protection:	Designed to meet IP65
Approvals & Certifications	
Approvals:	RoHS, CE, RCM
Canada & USA:	Class I Division 1 Group A,B,C,D T3; Class I Zone 0 AEx ia IIC T3; Ex ia IIC T3 Ga
IECEx:	Ex ia IIC T3 Ga
ATEX:	Ex ia IIC T3 Ga
LEL:	CSA C22.2 No.152; ISA 12.13.01
FCC ID:	W77EXO
IC:	8255A-EXO
Contains:	FCC ID: XPY1EIQ24NN, Q639603N
IC:	8585A-1EIQ24NN, 4629A-9603N

Gas	Sensor type	Range	Resolution
Ammonia (NH3)	Electrochemical	0–100 ppm	0.1 ppm
High-range ammonia (NH3)	Electrochemical	0–500 ppm	1 ppm
Carbon monoxide (CO)	Electrochemical	0–500 ppm	1 ppm
High-range carbon monoxide (CO)	Electrochemical	0–2000 ppm	5 ppm
Hydrogen resistant carbon monoxide (CO-H)	Electrochemical	0–500 ppm	1 ppm
Carbon dioxide (CO2)	NDIR	0–50,000 ppm	50 ppm
Chlorine (Cl2)*	Electrochemical	0–20 ppm	0.1 ppm
Chlorine dioxide (ClO2)*	Electrochemical	0–2 ppm	0.01 ppm
COSH (CO & H2S)	Electrochemical	0–500 ppm CO, 0–100 ppm H2S	1 ppm CO, 0.1 ppm H2S
Hydrogen (H2) (UK/EU only)	Electrochemical		
Hydrogen cyanide (HCN)	Electrochemical	0–30 ppm	0.1 ppm
Hydrogen sulfide (H2S)	Electrochemical	0–100 ppm	0.1 ppm
High-range hydrogen sulfide (H2S)	Electrochemical	0-500 ppm	0.5 ppm
LEL-infrared (LEL-IR)	NDIR	0–100% LEL	1% LEL
LEL-MPS	Molecular Property Spectrometer	0-100% LEL	0.1% LEL
LEL-pellistor (LEL-P)	Catalytic bead	0-100% LEL	1% LEL
Nitrogen dioxide (NO2)	Electrochemical	0–50 ppm	0.1 ppm
Oxygen (O2)	Pumped electrochemical	0–25% vol	0.1% vol
Photoionization (PID)	PID	0–4,000 ppm	Dynamic resolution**, 0.1 ppm
Sulfur dioxide (SO2)	Electrochemical	0–100 ppm	0.1 ppm

Specifications subject to change without notification