SOLARIS – Small size. Big features.

[Affordable 4-gas detector for reliable measurement]

MSA

SOLARIS

[The perfect choice for personal safety]

The innovative SOLARIS 4-gas detector is one of the smallest and lightest available and is robust enough for use in even the toughest environment.

■ **World-Class Alarm System**

■ **Ultimate Flexibility**

■ **Data Logging & Sampling Pump optional**

■ **Simple Calibration**

■ **Versatile Display**

■ **Rugged rubberised construction**

Detecting the presence of O_2, H_2S, CO and combustible gas SOLARIS is suitable for many applications including the following Industries:

■ Oil & Gas
■ Chemicals
■ Steel & Iron
■ Utilities
■ Fire Service
■ Contractors
■ Various Industrial Applications

This combination of features and affordability makes the SOLARIS Multigas Detector the undisputed leader in its class.

[Rugged Construction]

The SOLARIS is cased in rubberised armour that absorbs impact when the unit is accidentally dropped and also provides superior protection against liquid and dust ingress. This also helps to ensure that the SOLARIS will perform reliably in the harshest industrial environments.

[Ultimate Flexibility]

Easy Configuration to detect up to 4 gases simultaneously. Users can also simply modify most functions including alarm and expected calibration values, industrial hygiene [STEL, TWA] function and many other operating and set-up parameters. All critical values are protected behind a user-selectable password option.

[World-Class Alarm System]

The triple alarm system utilised in the SOLARIS is easily the best in its class. High intensity LED visual alarms are visible from all angles. The SOLARIS also has a user-enabled safe LED that flashes a green light every 15 seconds simply as an indication to the user that the instrument is working properly. The SOLARIS audible alarm is typically measured in excess of 100 dB! A strong vibrating alarm is also a standard feature on all SOLARIS instruments.

[Versatile Display]

Even with the tiny size of the SOLARIS, this instrument offers one of the best displays in its class. All gas concentrations are displayed simultaneously and can be easily identified at a glance. The SOLARIS is able to display commands in plain English and easily guide users through various instrument functions.

[Simple Calibration]

Calibration is intuitive and is accomplished with the push of a single button. This auto calibration feature greatly simplifies calibration and reduces training needs. It features built-in logic and enables the use of a wide variety of calibration gas concentrations.

[Long-Life Battery]

The rechargeable lithium ion battery provides 14+ hours of continuous operation and outperforms other battery technologies in extreme environmental conditions. The SOLARIS battery will fully recharge in less than four hours and will still maintain over 80% of its original capacity after 500 recharge cycles.

[Optional Sampling Pump]

The SOLARIS offers an optional battery powered sampling pump that is contained within the sampling probe accessory. The pump uses the same proven technology as other MSA portable instruments. The pump probe can be used with up to 50 feet of tubing for remote sampling applications.

[Optional Data logging]

Can be used to track data and calibration records with the MSA Link software. It is the same proven software that is being used with other successful MSA gas detectors. Display functions and manipulation of data are simplified.

[Outstanding Warranty]

The SOLARIS Multigas Detector comes with a two-year, all-inclusive warranty.

SOLARIS Specification

Gas	Range	Resolution
LEL	0–100 %	1%
O$_2$	0–25 % Vol	0.1% Vol
CO	0–500 ppm	1 ppm
H$_2$S	0–200 ppm	1 ppm
Weight	227 g	
Dimensions	115 x 64 x 32 mm [L x W x D]	
Alarms	>100 dB at 30 cm piercing audible alarm. Ultra bright LED's and standard vibrating alarm	
Display	High contrast LCD with backlight	
Battery	Rechargeable Li-Ion battery	
Battery run time		
	14 + hours	
Charging time	< 4 hours with MSA fast charger	
Operating Temperature Range		
	−20 °C to +50 °C short periods −40 °C to −20 °C	
Humidity	15–90% RH non condensing, 5–95% RH intermittent	
Ingress Protection		
	IP 65	
Warranty	2 years from date of shipment, under normal conditions	
Certification		
Europe	CE ⟨Ex⟩ ATEX II 2G EEx ia d IIC T4 −20 °C to +50 °C	
US & Canada	cUL for Class 1, Division 1, Groups A, B, C and D	

Ordering Information

10051360	SOLARIS 4-gas [LEL, O$_2$, CO, H$_2$S]
10051359	SOLARIS 4-gas [LEL, O$_2$, CO, H$_2$S] data logging
10051356	SOLARIS 3-gas [LEL, O$_2$, CO]
10051355	SOLARIS 3-gas [LEL, O$_2$, CO] data logging
10051358	SOLARIS 3-gas [LEL, O$_2$, H$_2$S]
10051357	SOLARIS 3-gas [LEL, O$_2$, H$_2$S] data logging
10051354	SOLARIS 2-gas [LEL, O$_2$]
10051353	SOLARIS 2-gas [LEL, O$_2$] data logging

The SOLARIS Multigas Detector will be delivered complete with battery charger, calibration cap, tubing and instruction manual. For other configurations contact your nearest MSA affiliate or distributor.

Accessories

10047596	Universal Pump probe, Europe
10044994	Calibration Cap
10044995	Calibration Assembly [Cap, tube, connector]
10048185	Charger Cradle Assembly
10047343	Global power plug for Charger Cradle

Sensors

10046947	Combustible Sensor
10046946	O$_2$ Sensor
10046944	CO Button Cell Sensor
10046945	H$_2$S Button Cell Sensor

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