



SOLARIS – Small size. Big features.

[Affordable 4-gas detector for reliable measurement]



Reliable

Compact

Affordable

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.

■ Ultimate Flexibility

■ World-Class Alarm System

■ Data Logging & Sampling Pump optional

■ Simple Calibration

■ Versatile Display

■ Rugged rubberised construction

Detecting the presence of O₂, H₂S, 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.



Reliable
Compact
Affordable

[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.

[Outstanding Warranty]

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

[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.

[GALAXY]

The GALAXY automated record keeping and calibration test system is a completely stand alone system that does not require a computer or network interface. Up to 10 GALAXY modules can be connected together allowing multiple instruments to be simultaneously tested, calibrated and charged. Over 1000 individual test records can be stored on an industry standard flash card. An optional wired connection is also available.



[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	
Certification	Europe EN 50014/EN 50018/EN 50020/EN 50104/ EN 50270/EN 50271/EN 61779 Ⓢ II 2G EEx ia d IIC T4 Ⓢ 0736/No. 213.032	

[Ordering Information]

10051360	SOLARIS 4-gas [EX, O ₂ , CO, H ₂ S]
10051359	SOLARIS 4-gas [EX, O ₂ , CO, H ₂ S] data logging
10051356	SOLARIS 3-gas [EX, O ₂ , CO]
10051355	SOLARIS 3-gas [EX, O ₂ , CO] data logging
10051358	SOLARIS 3-gas [EX, O ₂ , H ₂ S]
10051357	SOLARIS 3-gas [EX, O ₂ , H ₂ S] data logging
10051354	SOLARIS 2-gas [EX, O ₂]
10051353	SOLARIS 2-gas [EX, 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
SOLARIS GALAXY kits	
Basic System [Includes Power Supply]	
10061852	Basic System
Standard System [Includes Power Supply & Regulator]	
10061854	Standard System
10061855	Standard System + Charging + Cylinder Holder
Smart System [Includes Power Supply, Regulator & SD Card]	
10061856	Smart System
10061858	Smart System + Charging + Cylinder Holder
Portable System [Includes Battery Pack & Regulator]	
10061860	Portable System
10061859	Portable System + SD Card + Cylinder Holder



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)1245 600560

Fax: +44 (0)1245 600030

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.