



## MultiSens

Diffusion Multigas detector for up to four gases simultaneous measurement of up to four gases, including hydrogen sulfide, carbon monoxide, oxygen and flammable gases (LEL).

### 01 DESCRIPTION

MultiSens up to four-gas portable detector provides friendly use and flexibility for monitoring gases in the plant or in confined spaces.

The MultiSens can monitor up to four gases simultaneously including hydrogen sulfide, carbon monoxide, oxygen and flammables (LEL). Through the different notification alarms, it will alert you to the presence of any hazard.

The measurement of combustible gases can be done with a catalytic sensor or with an infrared sensor that will provide a range of up to 60 days in continuous operation without recharging the batteries. It also has the ability to block the device from shutting down so that the user does not use it inadvertently without the equipment running.

The optional Docking Station is available with capacity for up to 4 devices simultaneously, allowing to perform Bump Test and Calibrations. The multiple Docking Station reduces waiting times for verification, adjusting the equipment automatically in case of not passing the Bump Test. In addition, during the verification process, the data is downloaded from the equipment's datalog, in order to have greater control over the monitoring of security policies.

### 02 KEY FEATURES

- Compact, robust and reliable
- ATEX Zone 0 and IECEx Certification
- Easy operation with a single button
- Optical, acoustic and vibration alarm
- Verification and simple adjustment with the optional Docking Station
- Displays TWA and STEL values as well as exposure values
- Adjustable alarm levels through the Sensotran IR Link
- More than two months of data storage capacity

### 03 TECHNICAL SPECIFICATIONS

Gas	Combustible	O <sub>2</sub>	CO	H <sub>2</sub> S
Sensor Type	Catalytic (MultiSens-P) NDIR (MultiSens -N)	Electrochemical	Electrochemical	Electrochemical
Range	0-100 % LEL	0-30 % vol	0-500 ppm	0-100 ppm
Estimated Life	> 5 years	3 years	3 years	> 2 years
Response Time t <sub>90</sub>	< 15 sec	< 15 sec	< 30 sec	< 30 sec
Resolution	1% LEL	0.1 vol	1 ppm	0.1 ppm
Accuracy	± 3% Full Scale			
Measuring Type	Diffusion / Pumped (manual pump)			
Control Button	One			
Display	Display LCD backlight, Indicator LED			
Alarms	Visual: LCD alarm display, LCD Backlight, Indicator LED, Audible: buzzer (90 dB at 10 cm), Vibration			
Event log	Event Log : 30EA, Calibration Log: 30EA, Bump Log: 30EA Data Log 2 months or more			
Mounitng Type	Alligator clip			
Operating Temperature	-20°C to +50°C			
Operating Humidity	10 to 95% RH (no-condensing)			
Battery	Lithium-ion 3.7 V, 2000 mAh			
Battery Life Time	(MultiSens-P: 24 hours, MultiSens-N: 2 months)			
Case	Rubberized PC cases			
Dimensions	60 x 40 x 118 mm			
Weight	240 g			
Apporval	MULTISENS-P : II 1G Ex da ia IIC T4 Ga, IP 67 MULTISENS-N : II 1G Ex ia IIC T4 Ga, IP 67			

## 04 APPLICATIONS

- Oil & Gas
- Shut Downs
- Fuel storage parks
- Water treatment plants
- Mining industry
- Construction
- Homeland Security and First Responders
- Food industry
- Emergency response
- Environmental
- Industrial Safety

## 05 ACCESSORIES



**Docking-Station**  
Adjust and calibration station



Manual sampling pump



**Sensotran IR Link**  
Infrared port



## 06 ORDERING INFORMATION

Ref	Gas	Range	Sensor
MS-002-00	LEL, O <sub>2</sub>	0-30% vol	Pellistor / Electrochemical
MS-002-10	LEL, O <sub>2</sub>	0-500 ppm	Infrared / Electrochemical
MS-004-00	LEL, O <sub>2</sub> , CO, H <sub>2</sub> S	0-100 ppm	Pellistor / Electrochemical
MS-004-10	LEL, O <sub>2</sub> , CO, H <sub>2</sub> S	0-50 ppm	Infrared / Electrochemical