

**Sirius Multigas Detector**  
[One PID, Four Gases...  
Detects Hundreds of Chemicals]

The Sirius Multigas Detector provides the solution you have looked for in one complete package; incredible performance, maximum simplicity, and durable design all with MSA's commitment to quality.

**Tremendous Flexibility**

Users are able to simultaneously monitor for volatile organic compounds with low vapor pressures while measuring for combustible, toxic and oxygen deficient atmospheres within one reliable, easy-to-use, durable unit.

**Reliable PID performance**

Integrating proprietary PID sensor design (patent pending) into our proven reliable multigas detector designs, such as the designs used in the Orion and Solaris 4-gas multigas detectors, make this combination a dependable winner and allows users to get their monitoring done reliably and quickly.

**User friendly software**

Easy-to-use software allows users to focus on their tasks at hand.

**Superior patent pending PID sensor design**

Superior PID sensor design reduces maintenance time and cost.

**Flexible configurations**

This design combines two instruments into one.

**Loud, attention grabbing alarm system**

The Sirius Multigas Detector provides outstanding alarms to clearly warn users of a hazardous situation.

**Interchangeable lithium-ion and alkaline battery packs**

Keep instruments running 24 hours a day, 7 days a week.

**Easy calibration and compatibility with MSA's Total Instrument Manager**

Increase user safety by easily ensuring proper sensor performance.

Prices effective January 1, 2007

**MSA**

# Fire Service Sirius™ Multigas Detector

## Assemble-To-Order System and Pricing Guide



# Sirius™ Multigas Detector (Fire Service) Assemble-to-Order (ATO) Options

- To generate your instrument configuration, select instrument options and mark them in the boxes to the right.
- To calculate your instrument price, write in the price for each option in the space provided to the right and add to the base price of \$2,050 below.

## A. Photoionization Detector Lamp Option



To choose the standard 10.6 eV lamp for most VOC's, choose selection A. For the low energy 9.8 eV lamp with the most VOC discrimination, enter selection B.

<i>PID Lamp</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
PID with 10.6 eV Lamp(0-2000 ppm)	A	\$250.00	<input type="checkbox"/>	<input type="text"/>
PID with 9.8 eV Lamp	B	\$300.00	<input type="checkbox"/>	\$ <input type="text"/>

## B. Combustible Sensor Option

To choose to have your MSA 20L combustible sensor reading set to be displayed as 0-100% LEL, enter selection "L". For a display of 0-5% methane, enter an "M".

<i>Combustible Sensor</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
0-100% LEL	L	\$180.00	<input type="checkbox"/>	<input type="text"/>
0-5% Methane	M	\$180.00	<input type="checkbox"/>	<input type="text"/>

## C. Oxygen Sensor Options

To choose to have an oxygen sensor installed in your new Sirius Multigas Detector, enter selection 1. For no oxygen sensor, enter a "0".

<i>Oxygen Sensor</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Oxygen (0-25%)	1	\$170.00	<input type="checkbox"/>	\$ <input type="text"/>

## D. Carbon Monoxide Sensor Option

To choose to have a carbon monoxide sensor installed in your new Sirius Multigas Detector, enter selection 1. For no carbon monoxide sensor, enter a "0".

<i>Carbon Monoxide Sensor</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Carbon Monoxide (0-500 ppm)	1	\$190.00	<input type="checkbox"/>	\$ <input type="text"/>

## E. Hydrogen Sulfide Sensor Option

To choose to have a hydrogen sulfide sensor installed in your new Sirius Multigas Detector, enter selection 1. For no hydrogen sulfide sensor, enter a "0".

<i>Hydrogen Sulfide Sensor</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Hydrogen Sulfide (0-100 ppm)	1	\$190.00	<input type="checkbox"/>	\$ <input type="text"/>

## F. Battery Pack & Charger Options



You may choose between MSA's lithium ion battery pack which includes a standard lithium ion battery charger, or the convenience of an alkaline battery pack. You may also choose to have both battery pack types included with your new Sirius Multigas Detector.

<i>Battery Pack/Charger</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Lithium ion, includes charger & cord	A	\$155.00	<input type="checkbox"/>	\$ <input type="text"/>
Replaceable alkaline	B	\$85.00	<input type="checkbox"/>	<input type="text"/>
Both Lithium ion and replaceable alkaline battery packs	C	\$240.00	<input type="checkbox"/>	<input type="text"/>

## G. Vehicle Charger Option

If you would like to order the vehicle charger for your new Sirius Multigas Detector, enter selection 1.

<i>Vehicle Charger</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Vehicle Charger	1	\$200.00	<input type="checkbox"/>	\$ <input type="text"/>

## H. Sampling Lines



MSA's Quick-Connect sampling lines are of the highest quality materials, guaranteed to provide accurate sampling concentrations. Sirius Multigas Detector sampling lines all includes a Quick-Connect air-line fitting for easy attachment and tight seal. For sampling jet fuel, enter selection 3 for the 10' teflon sampling line option, or selection 4 for the 25' sampling line option.

<i>Sampling Lines</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
10-foot polyurethane	1	\$62.50	<input type="checkbox"/>	\$ <input type="text"/>
25-foot polyurethane	2	\$67.50	<input type="checkbox"/>	<input type="text"/>
10-foot teflon (for jet fuel sampling)	3	\$72.50	<input type="checkbox"/>	<input type="text"/>
25-foot teflon (for jet fuel sampling)	4	\$82.50	<input type="checkbox"/>	<input type="text"/>
3-foot polyurethane coiled	5	\$60.00	<input type="checkbox"/>	<input type="text"/>

## I. Sampling Probes



MSA's sampling probes are durable & comfortable to use. The built in Water-Stop filter ensures that your sampling system is not contaminated with dirt and debris if the probe tip is dipped in water. You must order a probe if you order a sampling line, as we strongly recommend that you operate the instrument with this filter in place.

<i>Sampling Probes</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
1-foot Probe	1	\$128.00	<input type="checkbox"/>	\$ <input type="text"/>
3-foot Probe	2	\$139.00	<input type="checkbox"/>	<input type="text"/>
8-inch Probe	3	\$59.00	<input type="checkbox"/>	<input type="text"/>

**J. Carrying Attachments**



While a high-strength stainless steel D-Ring is offered with this instrument at no extra charge, there are three other options for handling the instrument: the retractable carrying line for use with the D-Ring, the shoulder harness and the wrist harness to be used on the user's arm with a Level A suit.

<i>Carrying Attachments</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Retractable Carrying Line with Belt Clip	1	\$40.00	<input type="checkbox"/>	\$ <input type="text"/>
Shoulder Harness	2	\$20.00	<input type="checkbox"/>	<input type="text"/>
Wrist Harness	3	\$45.00	<input type="checkbox"/>	<input type="text"/>

**K. Instrument Jackets and Boots**

To offer the highest level of of instrument protection, you may choose a protective black rubber boot and harness, or a cordura jacket. You may also order both options by choosing selection C.

<i>Instrument Jacket/Boot</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Red Boot with Harness	R	\$77.00	<input type="checkbox"/>	\$ <input type="text"/>
Cordura Jacket with Harness	C	\$45.00	<input type="checkbox"/>	<input type="text"/>

**L. Calibration Kits**

You may choose one of two calibration options for your Sirius Multigas Detector. The fixed-flow .25 lpm regulator includes a multigas calibration cylinder and also an isobutylene calibration gas cylinder if a PID selection is chosen. You may also order just the isobutylene calibration kit with gas cylinder.

<i>Calibration Kits</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Econo-Cal Fixed-Flow Regulator Calibration Kit (includes multigas and isobutylene cylinders)	1	\$575.00	<input type="checkbox"/>	\$ <input type="text"/>
Model RP Fixed-Flow Regulator Calibration Kit (includes multigas and isobutylene cylinders)	2	\$650.00	<input type="checkbox"/>	<input type="text"/>
Isobutylene Calibration Kit (includes gas cylinder)	3	\$400.00	<input type="checkbox"/>	<input type="text"/>

**M. Data Communications Kit**

If you need to track the readings and operations of your Sirius Multigas Detector, consider ordering the instrument with the optional built-in datalogging module. The option also provides TWA and STEL capabilities.

<i>Data Communications</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Data Link Module	1	\$250.00	<input type="checkbox"/>	\$ <input type="text"/>
Data Link Module and Software Kit	2	\$350.00	<input type="checkbox"/>	<input type="text"/>

**N. Packaging**

Your new Sirius Multigas Detector may be protected by a standard black plastic case, or by a black premium field case. You may also choose the option of a long-term storage kit case for emergency response, large enough to hold the Sirius Multigas Detector, calibration cylinders, spare sensors, spare PID lamp and lithium ion battery pack with charger, spare alkaline battery pack, lamp cleaning kit and simple-to-read and understand refresher instructions.

<i>Packaging</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
Standard shipping carton	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Standard red PVC case	3	\$126.00	<input type="checkbox"/>	\$ <input type="text"/>
Premium black field case	2	\$96.40	<input type="checkbox"/>	<input type="text"/>
Long-term storage kit case	4	\$199.00	<input type="checkbox"/>	<input type="text"/>
Long-term storage kit basic includes PID lamp, add \$180 each sensor	5	\$1595.00	<input type="checkbox"/>	<input type="text"/>

**O. PID Lamp Cap**



The standard easy-access lamp cap is included with your Sirius Multigas Detector at no extra charge. You may also choose a tamper-proof lamp cap.

<i>PID Lamp Cap</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Standard easy-access lamp cap	S	\$0.00	<input type="checkbox"/>	\$0.00
Alternative tamper-proof lamp cap	T	\$0.00	<input type="checkbox"/>	<input type="text"/>

**Your Model Part Number**

Please write in numbers from selections above in appropriate boxes and contact your Safety Products Distributor to place your order.

Selection ...	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>
A-SIRIUS-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Base Unit Price + **\$2,150.00**

Total Unit Price = **\$**

**All Pricing is in US Dollars**

# Approvals and Standards/Replacement Parts/Kits

## Battery Packs

	Part No.	List Price
Standard Rechargeable Lithium Ion Battery Pack	10050347	\$173.00
Lithium Ion Battery Charger, consists of power supply and charge adapter	10052512	\$165.00
Replaceable Alkaline Battery Pack	10049412	\$105.00
Replaceable Alkaline Battery Pack less door	10049098	\$85.00
Vehicle Charger (includes charge adapter)	10052513	\$235.00

## Sampling Accessories

	Part No.	List Price
Sampling Line with Quick-Connect, 10-foot polyurethane	10040665	\$75.00
Sampling Line with Quick-Connect, 25-foot polyurethane	10040664	\$85.00
Sampling Line with Quick-Connect, 10-foot teflon	10049058	\$85.00
Sampling Line with Quick-Connect, 25-foot teflon	10049057	\$90.00
Sampling Line with Quick-Connect, 3-ft polyurethane coiled	10040667	\$79.00
Probe, 1-foot	10042621	\$143.00
Probe, 3-foot	10042622	\$155.00
Probe, 8-inch	10040589	\$65.00

## Protective Jackets, Boots

	Part No.	List Price
and Carrying Attachments		
Red Rubber Boot (includes harness)	10052555	\$85.00
Cordura Jacket (includes harness)	10050122	\$55.00
Shoulder Harness only	474555	\$15.50
Retractable Carrying Line with Belt Clip	10050976	\$47.00
Wrist Harness	10051803	\$40.00

## Calibration Gas Kits and Cylinders

	Part No.	List Price
Flow Control		
RP .25 lpm Fixed-Flow Regulator Kit (includes tubing & fitting, less gas)	10050984	\$255.00
Gas Miser Demand RP Regulator (includes tubing & fitting, less gas)	10050985	\$465.00
Combination Regulator Kit (includes tubing and fitting, less gas)	10050986	\$349.00
Calibration Tubing	10041225	\$38.00
Calibration Fitting	10041558	\$32.00
Case Assembly for Calibration Kit, holds 2-58 liter cylinders	711192	\$90.00
Calibration Gas Cylinders		
4 Gas RP Cylinder	10045035	\$299.00
4 Gas Econo-Cal Cylinder	10048280	\$199.00
3 Gas Econo-Cal Cylinder ( CO )	10048789	\$189.00
4 Gas RP, CH4 Cylinder	10048890	\$279.00
3 Gas RP, CH4 Cylinder ( CO )	813718	\$165.00
4 Gas Econo-Cal, CH4 Cylinder	10048981	\$199.00
Isobutylene 100 ppm, 34 liters, Econo Cal	10048279	\$199.00
Isobutylene 100 ppm, 100 liters	494450	\$165.00
Squirt Gas Cylinders, 11 liters		
4 Gas (CH4)	814349	\$54.00
4 Gas (LEL)	814559	\$54.00
Isobutylene 100 ppm	815704	\$54.00

## Long-Term Storage Kit

Includes 4-Gas PID, Lithium Ion and Alkaline Battery Packs, Vehicle Charger, 10' sampling line w/ 1' probe, retractable carrying line w/ belt clip, Cordura jacket and black boot, Econo-Cal kit, Data Link w/ software, 4 replacement sensors & PID Lamp, lamp cleaning kit, standard lamp cover and case	10051175	\$7,172.50
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**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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## Replacement Lamps and Sensors

	Part No.	List Price
10.6 eV Lamp	10049692	\$320.00
9.8 eV Lamp	10052298	\$320.00
4 Sensor Kit (LEL, O2, CO, H2S)	10051717	\$500.00
Combustible Sensor (both LEL and CH4)	10049808	\$200.00
Oxygen	10049806	\$150.00
Carbon Monoxide	10049804	\$140.00
Hydrogen Sulfide	10049805	\$140.00
Long-Term Storage Oxygen Sensor (hermetically sealed for 2-year storage)	10049807	\$195.00

## Accessories

	Part No.	List Price
Disposable Ionization Chamber	10047463	\$59.45
Lamp Cleaning Kit	10049691	\$99.00
Filter Replacement Kit with O rings and replacement dust filters	10049680	\$25.00
Standard Lamp Cover	10050841	\$21.00
Tamper-Proof Lamp Cover	10050750	\$21.00
Sirius Multigas Detector Screwdriver	636913	\$5.90
Sirius Multigas Detector Instructional Video	10050856	\$19.95
Instruction Manual	10048887	\$33.00

## Carrying Cases

	Part No.	List Price
Standard Red Plastic Case	10020541	\$135.00
Premium Black Field Case with foam insert	10052515	\$165.00
Long-Term Storage Kit Case with labeled foam insert	10051539	\$200.00

## Approvals and Standards

The Sirius Multigas Detector has been designed to meet the requirements as set forth in Standards UL913 6th edition and CSA 22.2 No. 157 for use in hazardous locations Class I, Divisions 1, Groups A, B, C and D, Temperature Class T3C, -20°C-Tamb<+50°C. The Sirius Multigas Detector has been designed also to meet the requirements as set forth in the Canadian combustible performance standard CSA 22.2 No. 152 for methane only.

## WARNING

Substitution of components may impair intrinsic safety! Charge instrument in non-hazardous locations only! Read and understand instruction manual before use! To prevent ignition of flammable or combustible atmospheres, read, understand and adhere to the manufacturer's maintenance procedures.

Sirius Multigas Detector Kits	Part #	10.6 eV	LEL	O2	CO	H2S	Li Chr	Alka Bat	Veh Chr	10' line	10' Tef	1' probe	Retr Clip	Red Boot	Cor Jac	Cal Kit	Dlink Kit	Red Case	StdLp Cap	LTS Case	Clean Kit	Price	
Deluxe FS LEL 4-Gas Lithium Ion PID	10051155	X	X	X	X	X	X			X		X	X	X		X		X	X			\$4,293.50	
Deluxe FS LEL 3-Gas H2S Lithium Ion PID	10051156	X	X	X		X	X			X		X	X	X		X		X	X			\$4,103.50	
Deluxe FS LEL 3-Gas CO Lithium Ion PID	10051157	X	X	X	X		X			X		X	X	X		X		X	X			\$4,103.50	
Deluxe FS LEL 4-Gas Lithium Ion PID Datalog	10051158	X	X	X	X	X	X			X		X	X	X		X	X	X	X			\$4,643.50	
Deluxe FS LEL 4-Gas Alkaline Ion PID	10051159	X	X	X	X	X		X		X		X	X	X		X		X	X			\$4,223.50	
Deluxe FS LEL 3-Gas H2S Alkaline PID	10051160	X	X	X		X		X		X		X	X	X		X		X	X			\$4,033.50	
Deluxe FS LEL 3-Gas CO Alkaline PID	10051161	X	X	X	X			X		X		X	X	X		X		X	X			\$4,033.50	
Deluxe FS LEL 4-Gas Lithium Ion/Alk PID DLog	10051162	X	X	X	X	X	X	X		X		X	X	X		X	X	X	X			\$4,728.50	
Std FS LEL 4-Gas Lithium Ion PID	10051163	X	X	X	X	X	X			X		X	X	X				X	X			\$3,718.50	
Std FS LEL 3-Gas H2S Lithium Ion PID	10051164	X	X	X		X	X			X		X	X	X				X	X			\$3,528.50	
Std FS LEL 3-Gas CO Lithium Ion PID	10051165	X	X	X	X		X			X		X	X	X				X	X			\$3,528.50	
Std FS LEL 4-Gas Alkaline PID	10051166	X	X	X	X	X		X		X		X	X	X				X	X			\$3,648.50	
Std FS LEL 3-Gas H2S Alkaline PID	10051167	X	X	X	X	X		X		X		X	X	X				X	X			\$3,458.50	
Std FS LEL 3-Gas CO Alkaline PID	10051168	X	X	X	X			X		X		X	X	X				X	X			\$3,458.50	
Std FS LEL 4-Gas Lithium Ion PID no case	10051169	X	X	X	X	X	X			X		X	X	X					X			\$3,592.50	
Std FS LEL 4-Gas Lilon/Alk PID no jackets Diog	10051170	X	X	X	X	X	X	X		X		X				X	X	X	X			\$4,611.50	
Econo FS LEL 4-Gas Alkaline PID	10051151	X	X	X	X	X		X											X			\$3,215.00	
Econo FS LEL 3-Gas H2S Alkaline PID	10051152	X	X	X		X		X											X			\$3,025.00	
Econo FS LEL 3-Gas CO Alkaline PID	10051153	X	X	X	X			X											X			\$3,025.00	
Econo FS LEL 4-Gas Lithium Ion PID	10051154	X	X	X	X	X	X												X			\$3,285.00	
First Responder 4-Gas PID	10051176	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\$7,172.50
First Responder FS 4-Gas PID	10051175	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\$7,127.50

Prices above are suggested U.S. list prices only and may not apply in international markets. Prices subject to change without prior notification.

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**MSA**  
The Safety Company