

Prices effective January 1, 2008

World Renowned Gas Protection

• Made by MSA...Over 85 years of experience

Reliable

- Fast response time
- Leak sensor at end of flexible wand
- Interchangeable batteries-Nickel metal hydride battery lasts 16 hours. Alkaline battery lasts 8 hours.

Easy-to-use

- Multi-functional unit displays all 4 gases at once
- Ergonomically correct to fit well in hand
- Provides peak readings

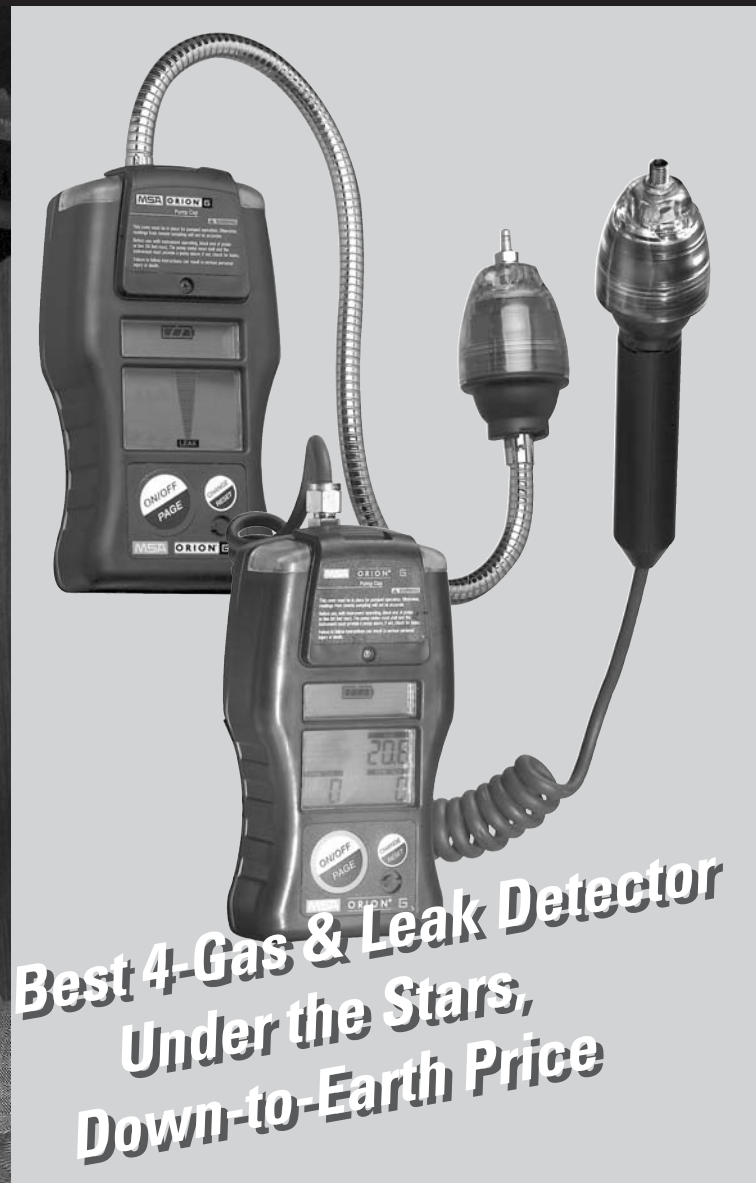
Durable

- Bar hole probe keeps out water and dust
- Weather & dust-resistant design with an IP54 rating stands up to the environment

Calibration Records a Snap!

- Optimal automated calibration system ensures safe operation and reduced technical training

Orion® G Multigas and Leak Detector Assemble-To-Order System and Pricing Guide


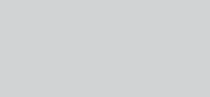

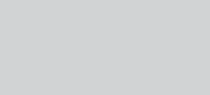






**The Best 4-Gas & Leak Detector
Under the Stars,
Down-to-Earth Price**



Orion®G Multigas and Leak Detector Assemble-to-Order (ATO) Options

- To generate your instrument configuration, select instrument options and mark them in the boxes to the right.
- To generate your instrument price, write in the price for each option in the space provided to the right and add to the base price of \$850 below.

A. Combustible Sensor Options		To choose to have your MSA 20L combustible sensor gas reading factory set to be displayed as %LEL or %Volume, enter a selection for display reading and probe type.	Combustible Sensor %LEL (Methane, 0-100%) Flexible probe %Volume (0-100%) Flexible probe %LEL (Methane, 0-100%) Coiled probe %Volume (0-100%) Coiled probe	Code 0 1 2 3	Price \$180.00 \$180.00 \$180.00 \$180.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
B. Oxygen Sensor Option		To choose to have an oxygen sensor installed in your new Orion G Multigas and Leak Detector, choose selection 1. For no oxygen sensor, enter a "0."	Oxygen Sensor None Oxygen (0-25%)	Code 0 1	Price \$0.00 \$179.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
C. Carbon Monoxide Sensor Option		To choose to have a carbon monoxide sensor installed in your new Orion G Multigas and Leak Detector, choose selection 1. For no carbon monoxide sensor, enter a "0."	Carbon Monoxide Sensor None Carbon monoxide (0-999 ppm)	Code 0 1	Price \$0.00 \$200.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
D. Hydrogen Sulfide Sensor Option		To choose to have a hydrogen sulfide sensor installed in your new Orion G Multigas and Leak Detector, choose selection 1. For no hydrogen sulfide sensor, enter a "0."	Hydrogen Sulfide Sensor None Hydrogen sulfide (0-200 ppm)	Code 0 1	Price \$0.00 \$200.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
E. Battery Pack Options		You can choose between MSA's NiMH recharge-able batteries which will run your Orion G Multigas and Leak Detector for up to 16 hours, or you can choose the convenience of alkaline batteries. Also available in easy-to-change alkaline with thumbscrew attachment.	Battery Pack Standard NiMH rechargeable (comes with standard AC charger) Replaceable alkaline Replaceable alkaline with thumb screw attachment	Code A B C	Price \$242.00 \$189.00 \$230.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
F. Battery Charger Options		If you order your Orion G Multigas and Leak Detector with a rechargeable battery pack, the charger is included in the price. If you want the optional vehicular charger adapter, choose selection "1."	Battery Charger None/Standard AC charger Vehicular charger	Code 0 1	Price \$0.00 \$204.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
G. Sampling Connection Methods		The Orion G Multigas and Leak Detector offers the flexibility of using standard threaded connections or the new Quick-Connect air-line fittings.	Sampling Connection Methods Threaded Quick-Connect	Code A B	Price \$0.00 \$50.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>
H. Sampling Lines		MSA's high-speed sampling lines are of the highest quality materials guaranteed to not alter sample concentration. Threaded fittings with O-Ring couplings at each end ensure there are no leaks when the system is operating. Also available in a Quick-Connect version for easy attaching and tight seal. Sampling connection method chosen above determines type of fitting supplied with sampling line.	Sampling Lines None 3-foot coiled 5-foot coiled 10-foot 15-foot 25-foot 5-foot	Code 0 1 2 3 4 5 6	Price \$0.00 \$42.00 \$47.00 \$29.00 \$36.00 \$42.00 \$25.00	Selection <input type="checkbox"/>	Price <input type="text" value="\$"/>

I. Sampling Probes



MSA's sampling probes are durable and comfortable to use. The built-in Water Stop filter ensures 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 you operate the instrument with this filter in place. Sampling connection...

Sampling connection method chosen above determines type of fitting supplied with sampling line.

<i>Sampling Probe</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 straight	1	\$113.00	<input type="checkbox"/>	\$
3-foot straight	2	\$125.00	<input type="checkbox"/>	
Bar hole probe	3	\$219.00	<input type="checkbox"/>	
8-inch Stix	4	\$27.00	<input type="checkbox"/>	
Hot gas probe	5	\$165.00	<input type="checkbox"/>	

J. Carrying Attachments



While a high-strength, nylon clip is offered with the instrument at no charge, a swivel belt loop kit, which allows quick release from your belt with a half turn, is also available. For easier one-hand operation, choose the pistol grip option.

<i>Belt Clip</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
Standard nylon	0	\$0.00	<input type="checkbox"/>	
Swivel belt loop	1	\$84.00	<input type="checkbox"/>	\$
Pistol grip	2	\$84.00	<input type="checkbox"/>	

K. Instrument Jacket



For the highest levels of environmental and rough handling protection, you can order a jacket or boot for your Orion G Multigas and Leak Detector.

<i>Instrument Jacket</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Black rubber boot	B	\$74.00	<input type="checkbox"/>	\$
Yellow Cordura jacket	C	\$46.00	<input type="checkbox"/>	
Both boot and jacket	D	\$120.00	<input type="checkbox"/>	


L. Calibration Kits



You can choose one of two calibration options for your Orion G Multigas and Leak Detector. The flexible RP kit provides a constant flow regulator that is reused and provides the greatest accuracy. The squirt gas test kit provides a very economical means to verify instrument calibration.

<i>Calibration Kit Options</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
None	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
RP Calibration Kit (includes gas cylinder)	1	\$450.00	<input type="checkbox"/>	\$
Squirt Gas check kit (includes gas cylinder)	2	\$100.00	<input type="checkbox"/>	

M. Data Communications Options



If you need to track the readings and operation of your Orion G Multigas and Leak Detectors, consider ordering them with the optional built-in datalogging module. This option also provides STEL and TWA 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"/>
Orion link module	1	\$250.00	<input type="checkbox"/>	\$
Module and download software	2	\$350.00	<input type="checkbox"/>	

N. Packaging Options and Carrying Cases



You can further protect your Orion G Multigas and Leak Detector with optional carrying cases. For ease of transport and handling, these cases can be even be ordered to accommodate calibration accessories. With the premium cases, a simple to understand training videotape is included at no extra charge.

<i>Packaging & Carrying Cases</i>	<i>Code</i>	<i>Price</i>	<i>Selection</i>	<i>Price</i>
Standard shipping container only	0	\$0.00	<input type="checkbox"/>	<input type="text"/>
Black plastic case with video and space for cylinder	1	\$90.00	<input type="checkbox"/>	\$
Heavy-duty case with video and space for 2 cylinders	2	\$190.00	<input type="checkbox"/>	

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 ... **A** **B** **C** **D** **E** **F** **G** **H** **I** **J** **K** **L** **M** **N**

A-ORION G- - - - - - - - - - - - - -

Add Base Unit Price + **\$850.00**

Total Unit Price = \$

All Pricing is in US Dollars

Kits/Approvals/Accessories and Replacement Parts

OrionG Multigas and Leak Detector Kits Flexible Probe

		% LEL	Oxygen	Carbon Monoxide	Hydrogen Sulfide	Alkaline Sulfide	Nimh Battery Pack	Vehicle Battery Pack	Quick Charger	Threaded Connect	5 ft. Sampling Line	1 ft. Probe	Red Boot	Cordura Case	Calibration Kit	Datalogging	Red Plastic Carry Case	Price
Deluxe 4 gas	10041472	x	x	x	x		x	x	x		x	x	x	x	x	x		\$3,129.00
Deluxe 3 gas (H ₂ S)	10041473	x	x		x		x	x	x		x	x	x	x	x	x		\$2,929.00
Deluxe 3 gas (CO)	10041474	x	x	x			x	x	x		x	x	x	x	x	x		\$2,929.00
Industrial 4 gas	10041475	x	x	x	x	x		x			x	x	x	x				\$2,128.00
Industrial 3 gas (H ₂ S)	10041476	x	x		x	x		x			x	x	x	x				\$1,928.00
Industrial 3 gas (CO)	10041477	x	x	x		x		x			x	x	x	x	x			\$2,578.00
Economy 4 gas	10041478	x	x	x	x	x					x	x	x					\$1,958.00
Economy 3 gas (H ₂ S)	10041479	x	x		x	x					x	x	x					\$1,758.00
Economy 3 gas (CO)	10041500	x	x	x		x					x	x	x					\$1,758.00
Supereconomy 4 gas	10041501	x	x	x	x	x					x							\$1,798.00
Supereconomy 3 gas (H ₂ S)	10041502	x	x		x	x					x							\$1,598.00
Supereconomy 3 gas (CO)	10041503	x	x	x		x					x							\$1,598.00

OrionG Multigas and Leak Detector Kits Coiled Probe

		% LEL	Oxygen	Carbon Monoxide	Hydrogen Sulfide	Alkaline Sulfide	Nimh Battery Pack	Vehicle Battery Pack	Quick Charger	Threaded Connect	5 ft. Sampling Line	1 ft. Probe	Red Boot	Cordura Case	Calibration Kit	Datalogging	Red Plastic Carry Case	Price
Deluxe 4 gas	10048288	x	x	x	x		x	x	x		x	x	x	x	x	x		\$3,129.00
Deluxe 3 gas (H ₂ S)	10048289	x	x		x		x	x	x		x	x	x	x	x	x		\$2,929.00
Deluxe 3 gas (CO)	10048290	x	x	x			x	x	x		x	x	x	x	x	x		\$2,929.00
Industrial 4 gas	10048321	x	x	x	x	x		x			x	x	x	x				\$2,128.00
Industrial 3 gas (H ₂ S)	10048322	x	x		x	x		x			x	x	x	x				\$1,928.00
Industrial 3 gas (CO)	10048323	x	x	x		x		x			x	x	x	x	x			\$2,578.00
Economy 4 gas	10048324	x	x	x	x	x					x	x	x					\$1,958.00
Economy 3 gas (H ₂ S)	10048325	x	x		x	x					x	x	x					\$1,758.00
Economy 3 gas (CO)	10048326	x	x	x		x					x	x	x					\$1,758.00
Supereconomy 4 gas	10048327	x	x	x	x	x					x							\$1,798.00
Supereconomy 3 gas (H ₂ S)	10048328	x	x		x	x					x							\$1,598.00
Supereconomy 3 gas (CO)	10048329	x	x	x		x					x							\$1,598.00

Power Supply	Part No.	Price	Replacement Sensors	Part No.	Price
NiMH battery with PCBA connector	10073663	\$279.00	Combustible (Internal)	10024247	\$200.00
Charger and Cradle	10073666	\$175.00	Oxygen	10025940	\$150.00
Upgrade Kit (Cradle, PCBA connector& Nut)	10073664	\$47.00	Carbon Monoxide	711306	\$200.00
Alkaline Battery pack	10031092	\$225.00	Hydrogen Sulfide	711307	\$200.00
			Leak (external)	10040784	\$185.00

Vehicle Battery Charger	Part No.	Price	Carrying Attachments	Part No.	Price
Vehicle Battery Charger	10034276	\$249.00	Swivel Belt Loop Kit	710962	\$95.00
			Pistol Grip	710960	\$99.00

Calibration Accessories	Part No.	Price	Protective Coverings	Part No.	Price
Calibration Kit, Model RP, less gas	477149	\$235.00	Yellow Cordura Jacket	10040586	\$69.00
Calibration Kit, Squirt, less gas	813411	\$65.00	Black Rubber Boot	10042421	\$89.00

Combination Regulator	Part No.	Price	Video	Part No.	Price
Gas Cylinders, 58 liters			Care and Use Video	10041559	\$19.95
Mix: LEL, O ₂ , CO, H ₂ S	813720	\$315.00	Care and Use CD	10048133	\$19.95
Mix: LEL, O ₂ , CO	10040791	\$172.00			
Mix: 100% CH ₄ (Methane)	711014	\$172.00	Datalogging	Part No.	Price
Gas Cylinders, Squirt (11 liter)			USB Infrared reader	10082834	\$185.00
Mix: LEL, O ₂ , CO, H ₂ S	814349	\$57.00	Datalogging Software		
Mix: LEL, O ₂ , CO	814350	\$57.00	MSA Link CD	10088099	\$45.00

Sampling Accessories	Threaded	Price	Quick-Connect	Price
Sample line, 3-foot coiled	10018118	\$57.00	10040667	\$90.00
Sample line, 5-foot coiled	710465	\$65.00	10040662	\$95.00
Sample line, 5-foot	497332	\$52.00	10040666	\$85.00
Sample line, 10-foot	497333	\$57.00	10040665	\$88.00
Sample line, 15-foot	497334	\$59.00	10040663	\$90.00
Sample line, 25-foot	497335	\$69.00	10040664	\$95.00
Probe, 1-foot	800332	\$119.00	10042621	\$155.00
Probe, 3-foot	800333	\$138.00	10042622	\$169.00

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

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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