

ALTAIR® 5X MSHA Multigas Detector

Assemble-To-Order System



Replacement Parts/Kits

SPARE PARTS/REPLACEMENTS	PART NO.
BATTERY PACK , MSHA, RECHARGEABLE	10147308
BATTERY PACK, ALKALINE (INCLUDES BELT CLIP)	10114837
BATTERY PACK, MSHA, RECHARGEABLE, IR	10147309
BELT CLIP REPLACEMENT KIT	10094830
FILTER COVER ASSEMBLY	10083591
MAINTENANCE KIT	10114949
MAINTENANCE KIT (CL ₂ , ClO ₂ , NH ₃)	10114950
SHOULDER STRAP	474555
RETRACTABLE LINE WITH BELT CLIP	10050976
ALTAIR 5X HOLSTER, LEATHER	10099648
VEHICLE CHARGER	10099397
FRONT HOUSING WITH INTEGRATED FILTERS	10114853
MULTI-UNIT CHARGER, ALTAIR 5X DETECTOR, 4-UNIT	10127427

CALIBRATION ACCESSORIES	PART NO.
DEMAND REGULATOR KIT	710288
Cl ₂ /NH ₃ /ClO ₂ DEMAND REGULATOR KIT	10034391
34L 2.5% CH ₄ , 15% O ₂ , 60 PPM CO	10049056
34L 2.5% CH ₄ , 15% O ₂ , 60 PPM CO, 10 PPM NO ₂	10058172
58L 50% CH ₄	711014

SAMPLING ACCESSORIES	PART NO.
SAMPLING LINE, GENERAL PURPOSE, 10-FT PU	10153218
SAMPLING LINE, GENERAL PURPOSE, 15-FT PU	10153219
SAMPLING LINE WITH QUICK-DISCONNECT, 10-FT PU	10040665
SAMPLING LINE WITH QUICK-DISCONNECT, 25-FT PU	10040664
SAMPLING KIT WITH QUICK-DISCONNECT FOR REACTIVE GASES, 10-FT TEFLON LINE, 1FT PROBE	10105839
GENERAL PURPOSE PROBE, CLEAR, 1-FT	10153041
PROBE, 1-FT	10042621
PROBE, 3-FT	10042622
QUICK-DISCONNECT ADAPTER	10161755
FILTER, WATER STOP, PACK OF 10	801582

SENSOR SPARE PARTS/REPLACEMENTS	PART NO.
KIT, XCell® EX-M SENSOR, COMBUSTIBLE	10121212
KIT, XCell O ₂ SENSOR	10106729
KIT, XCell CO/H ₂ S TWO-TOX SENSOR	10106725
KIT, XCell CO/H ₂ S-LC TWO-TOX SENSOR	10121213
KIT, XCell CO H ₂ -RES/H ₂ S TWO-TOX SENSOR	10121214
KIT, XCell CO-HC SENSOR	10121216
KIT, XCell NO ₂ /CO TWO-TOX SENSOR	10121217
KIT, REPLACEMENT, HCN	10106375
KIT, XCell Cl ₂ SENSOR REPLACEMENT	10106728
KIT, REPLACEMENT, ClO ₂	10080222
KIT, XCell SO ₂ SENSOR REPLACEMENT	10106727
KIT, REPLACEMENT, NO ₂	10080224
KIT, XCell NH ₃ SENSOR REPLACEMENT	10106726
KIT, REPLACEMENT, PH ₃	10116638
KIT, REPLACEMENT, NO	10114750
XCell SENSOR PLUG	10105650
SENSOR PLUG, OXYGEN AND TOXICS (20 MM)	10088192

For information on the ALTAIR 5X Galaxy GX2 System, see Galaxy GX2 System ATO bulletin (0818-21-MC).

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.



MSA – The Safety Company
1000 Cranberry Woods Drive
Cranberry Township, PA 16066 USA
Phone 724-776-8600
www.MSAsafety.com
U.S. Customer Service Center
Phone 1-800-MSA-2222
Fax 1-800-967-0398

MSA Canada
Phone 1-800-672-2222
Fax 1-800-967-0398
MSA Mexico
Phone 01-800-672-7222
Fax 52-44 2227 3943

ALTAIR 5X Multigas Detector Features:

- Industry-first O₂, CO, H₂S, and SO₂ 60-second span calibration and 10-second bump test time
- Thick rubberized housing provides a non-slip profile for secure grip, easily surviving a 10-ft drop
- MotionAlert™ feature activates when unit does not detect movement for 30 seconds, indicating “man down”
- InstantAlert™ feature offers manual activation of all alarms to alert others to potentially hazardous situations
- Minimum IP65 rating for dust and water ingress
- Monochrome display provides easy-to-read sensor readings with adjustable contrast
- Multi-language capability to serve your needs virtually anywhere in the world, using one of many built-in languages
- GALAXY® GX2 System-compatible for automatic testing, calibration and record keeping
- Lithium-ion battery pack provides over 18 hours of run time with virtually no memory effects and fast battery recharge
- MSA Link™ Pro and MSA Link Software allows all stored records to be easily accessed for printed calibration reports and alarm set-point changes
- Visual, vibrating and audible alarms grab user’s attention, indicating a potentially hazardous situation
- Large, ergonomically-designed buttons ensure easy reach and operation, even with gloved hands

Ordering Information

ALTAIR 5X MSHA Multigas Detector, with quick-start card, data logging, charger, calibration tubing. CD manual.

DESCRIPTION	PART NO.
INSTRUMENT ONLY	
ALTAIR 5X DETECTOR MONO, (CH ₄ , O ₂ , CO)	10189797
ALTAIR 5X DETECTOR MONO, (CH ₄ , O ₂ , CO, NO ₂)	10189546
INSTRUMENT KITS - MONOCHROME DISPLAY, 10-FT SAMPLING LINE, 1-FT PROBE	
ALTAIR 5X DETECTOR MONO, (CH ₄ , O ₂ , CO, CO ₂)	10190085
ALTAIR 5X DETECTOR MONO, (CH ₄ , O ₂ , CO, CH ₄ IR)	10190086

ALTAIR 5XM Assemble-To-Order (ATO) Options

To select your configuration, select instrument options and mark the code in the selection boxes to the right. Check MSA24 for additional options.

A	INSTRUMENT TYPE	All ALTAIR 5X MSHA Multigas Detectors come standard with data logging and MotionAlert and InstantAlert features.	<table><tr><td>Instrument Type</td><td>Code</td></tr><tr><td>Pumped with monochrome display</td><td>A</td></tr></table>	Instrument Type	Code	Pumped with monochrome display	A	<div>Selection</div>																														
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B	COMBUSTIBLE SENSOR	To have a combustible sensor installed in your new ALTAIR 5XM Multigas Detector, please select C . For no combustible sensor, please select 0 .	<table><tr><td>Combustible Sensor Options</td><td>Code</td></tr><tr><td>None</td><td>0</td></tr><tr><td>0-5% Vol methane</td><td>C</td></tr></table>	Combustible Sensor Options	Code	None	0	0-5% Vol methane	C	<div>Selection</div>																												
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C	SENSOR #1	To have an oxygen sensor installed in your new ALTAIR 5X Multigas Detector, please select K ; if you plan on configuring the ALTAIR 5X Detector with two exotic sensors with CO/H2S, please select 1 for both CO and H2S sensors; for no sensor enter 0 .	<table><tr><td>Sensor #2 Options</td><td>Code</td></tr><tr><td>None</td><td>0</td></tr><tr><td>Oxygen</td><td>0-30%</td><td>K</td></tr><tr><td>CO/H₂S</td><td>0-1999 ppm & 0-200 ppm</td><td>1</td></tr><tr><td>CO</td><td>0-1999 ppm</td><td>2</td></tr><tr><td>H₂S</td><td>0-200 ppm</td><td>3</td></tr><tr><td>CO/H₂S-LC</td><td>0-1999 ppm & 0-99.9 ppm</td><td>4</td></tr><tr><td>CO-HC</td><td>0-10,000 ppm</td><td>5</td></tr><tr><td>CO/NO₂</td><td>0-1999 ppm & 50 ppm</td><td>6</td></tr><tr><td>CO H₂-ResH₂S</td><td>0-1999 ppm & 0-200 ppm</td><td>7</td></tr></table>	Sensor #2 Options	Code	None	0	Oxygen	0-30%	K	CO/H ₂ S	0-1999 ppm & 0-200 ppm	1	CO	0-1999 ppm	2	H ₂ S	0-200 ppm	3	CO/H ₂ S-LC	0-1999 ppm & 0-99.9 ppm	4	CO-HC	0-10,000 ppm	5	CO/NO ₂	0-1999 ppm & 50 ppm	6	CO H ₂ -ResH ₂ S	0-1999 ppm & 0-200 ppm	7	<div>Selection</div>						
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D	SENSOR #2	Choose your toxic gas sensor.	<table><tr><td>Sensor #3 Options</td><td>Code</td></tr><tr><td>None</td><td>0</td></tr><tr><td>SO₂</td><td>0-20 ppm</td><td>A</td></tr><tr><td>Cl₂</td><td>0-10 ppm</td><td>B</td></tr><tr><td>NO₂</td><td>0-20 ppm</td><td>C</td></tr><tr><td>NH₃</td><td>0-100 ppm</td><td>D</td></tr><tr><td>PH₃</td><td>0-5 ppm</td><td>E</td></tr><tr><td>HCN</td><td>0-30 ppm</td><td>F</td></tr><tr><td>ClO₂</td><td>0-1 ppm</td><td>G</td></tr><tr><td>NO</td><td>0-200 ppm</td><td>H</td></tr><tr><td>H₂S</td><td>0-200 ppm</td><td>3</td></tr><tr><td>H₂S-LC</td><td>0-100 ppm</td><td>4</td></tr></table>	Sensor #3 Options	Code	None	0	SO ₂	0-20 ppm	A	Cl ₂	0-10 ppm	B	NO ₂	0-20 ppm	C	NH ₃	0-100 ppm	D	PH ₃	0-5 ppm	E	HCN	0-30 ppm	F	ClO ₂	0-1 ppm	G	NO	0-200 ppm	H	H ₂ S	0-200 ppm	3	H ₂ S-LC	0-100 ppm	4	<div>Selection</div>
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E	SENSOR #3	Choose your additional toxic gas sensors.	<table><tr><td>Sensor #4 Options</td><td>Code</td></tr><tr><td>None</td><td>0</td></tr><tr><td>CO/H₂S</td><td>0-1999 ppm & 0-200 ppm</td><td>1</td></tr><tr><td>CO</td><td>0-1999 ppm</td><td>2</td></tr><tr><td>H₂S</td><td>0-200 ppm</td><td>3</td></tr><tr><td>CO/H₂S-LC</td><td>0-1999 ppm & 0-99.9 ppm</td><td>4</td></tr><tr><td>CO-HC</td><td>0-10,000 ppm</td><td>5</td></tr><tr><td>CO/NO₂</td><td>0-1999 ppm & 50 ppm</td><td>6</td></tr><tr><td>CO H₂-ResH₂S</td><td>0-1999 ppm & 0-200 ppm</td><td>7</td></tr><tr><td>SO₂</td><td>0-20 ppm</td><td>A</td></tr><tr><td>Cl₂</td><td>0-10 ppm</td><td>B</td></tr><tr><td>NH₃</td><td>0-100 ppm</td><td>D</td></tr></table>	Sensor #4 Options	Code	None	0	CO/H ₂ S	0-1999 ppm & 0-200 ppm	1	CO	0-1999 ppm	2	H ₂ S	0-200 ppm	3	CO/H ₂ S-LC	0-1999 ppm & 0-99.9 ppm	4	CO-HC	0-10,000 ppm	5	CO/NO ₂	0-1999 ppm & 50 ppm	6	CO H ₂ -ResH ₂ S	0-1999 ppm & 0-200 ppm	7	SO ₂	0-20 ppm	A	Cl ₂	0-10 ppm	B	NH ₃	0-100 ppm	D	<div>Selection</div>
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F	ADVANCED SENSOR	Add your advanced IR sensor to complete your sensor suite in the ALTAIR 5XM Multigas Detector.	<table><tr><td>Advanced Sensor Options</td><td>Code</td></tr><tr><td>None</td><td>0</td></tr><tr><td>CO₂</td><td>0-5% Vol</td><td>B</td></tr><tr><td>Methane</td><td>0-100% Vol</td><td>L</td></tr></table>	Advanced Sensor Options	Code	None	0	CO ₂	0-5% Vol	B	Methane	0-100% Vol	L	<div>Selection</div>																								
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G	PACKAGING	For an economy plastic carrying case, choose E ; for standard carton packaging, choose 0 .	<table><tr><td>Packaging Options</td><td>Code</td></tr><tr><td>Standard carton</td><td>0</td></tr><tr><td>Economy plastic</td><td>E</td></tr></table>	Packaging Options	Code	Standard carton	0	Economy plastic	E	<div>Selection</div>																												
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H	APPROVAL LABEL	Choose the applicable approval label for your area. For MSHA choose M .	<table><tr><td>Approval Label Options</td><td>Code</td></tr><tr><td>MSHA</td><td>M</td></tr></table>	Approval Label Options	Code	MSHA	M	<div>Selection</div>																														
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I	SAMPLING LINE AND PROBE KIT	MSA's quality sampling lines and probes are durable, easy to use and offer high speed and convenience using our quick-connect fittings. If you are sampling Cl ₂ , ClO ₂ and/or NH ₃ , please select option 2 ; for all other gases select options 5 or 1 . Options 1 and 2 come with quick disconnect sampling lines and probes. For no sampling line or probe, select 0 .	<table><tr><td>Sampling Line and Probe Kit Options</td><td>Code</td></tr><tr><td>None</td><td>0</td></tr><tr><td>1-ft clear probe and 10-ft PU Line</td><td>S</td></tr><tr><td>1-ft probe and 10-ft PU line w/ QD</td><td>1</td></tr><tr><td>1-ft probe and 10-ft teflon line w/ QD (reactive gases)</td><td>2</td></tr></table>	Sampling Line and Probe Kit Options	Code	None	0	1-ft clear probe and 10-ft PU Line	S	1-ft probe and 10-ft PU line w/ QD	1	1-ft probe and 10-ft teflon line w/ QD (reactive gases)	2	<div>Selection</div>																								
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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

A-ALT5XM-