ALTAIR® 5X **Multigas Detector**

Assemble-To-Order System





Replacement Parts/Kits

| SPARE PARTS/REPLACEMENTS | PART NO. |
|---|----------|
| BATTERY PACK ASSEMBLY, RECHARGEABLE | 10114835 |
| BATTERY PACK, ALKALINE (INCLUDES BELT CLIP) | 10114837 |
| BATTERY PACK, RECHARGEABLE, PID/IR | 10114839 |
| BELT CLIP REPLACEMENT KIT | 10094830 |
| FILTER COVER ASSEMBLY | 10083591 |
| FILTER COVER ASSEMBLY (PID) | 10165275 |
| MAINTENANCE KIT | 10114949 |
| MAINTENANCE KIT (PID) | 10165285 |
| MAINTENANCE KIT (CL ₂ , CIO ₂ , NH ₃) | 10114950 |
| SHOULDER STRAP | 474555 |
| RETRACTABLE LINE WITH BELT CLIP | 10050976 |
| CARRYING CASE, CORDURA, UL ONLY | 10040586 |
| ALTAIR 5X HOLSTER, LEATHER | 10099648 |
| VEHICLE CHARGER | 10099397 |
| FRONT HOUSING WITH INTEGRATED FILTERS | 10114853 |
| FRONT HOUSING WITH INTEGRATED FILTERS (PID) | 10165249 |
| 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 |
| CASE WITH GAS MISER® REGULATOR, DEMAND FLOW RP KIT (includes tubing and fitting, less gas) | 10050985 |
| CALIBRATION TUBING WITH QUICK-DISCONNECT FITTING | 10041225 |
| 58L RP 60 PPM CO, 20 PPM H ₂ S, 15% O ₂ , 1.45% CH ₄ | 10045035 |
| 58L RP 60 PPM CO, 20 PPM H ₂ S, 15% O ₂ , 1.45% CH ₄ , 2.5% CO ₂ | 10103262 |
| 58L RP 60 PPM CO, 20 PPM H ₂ S, 15% O ₂ , 1.45% CH ₄ , 10 PPM SO ₂ | 10117738 |
| 34L ECONO-CAL® CYLINDER, 60 PPM CO, 20 PPM H ₂ S, 15% O ₂ , 1.45% CH ₄ | 10048280 |
| 34L ECONO-CAL CYLINDER, 60 PPM CO, 15% O ₂ , 1.45% CH ₄ | 10048789 |
| 34L ECONO-CAL 100PPM ISOBUTYLENE | 10048279 |
| 100L 100PPM ISOBUTYLENE | 494450 |

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 instituctions 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 1-800-MSA-2222 1-800-967-0398

| MSA Ca | nada |
|--------|-----------------|
| Phone | 1-800-672-2222 |
| Fax | 1-800-967-0398 |
| MSA Me | exico |
| Phone | 01-800-672-7222 |

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| SAMPLING LINE, GENERAL PURPOSE, 10-FT PU | |
|--|--|
| <u> </u> | PART NO. |
| SAMPLING LINE GENERAL PURPOSE 15-ET PU | 10153218 |
| SAME EING EINE, GENERALT GIR GSE, 15 1 1 1 G | 10153219 |
| SAMPLING LINE WITH QUICK-DISCONNECT, 10-FT PU | 10040665 |
| SAMPLING LINE WITH QUICK-DISCONNECT, 25-FT PU | 10040664 |
| SAMPLING LINE WITH QUICK-DISCONNECT, 10-FT TEFLON | 10049058 |
| SAMPLING LINE WITH QUICK-DISCONNECT, 25-FT TEFLON | 10049057 |
| SAMPLING LINE WITH QUICK-DISCONNECT, 3-FT PU COILED | 10040667 |
| SAMPLING LINE WITH QUICK-DISCONNECT FOR REACTIVE GASES, 10-FT TEFLON STRAIGHT | 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 SENSOR, COMBUSTIBLE | 10106722 |
| KIT, XCell O₂ SENSOR | 10106729 |
| KIT, XCell CO/H₂S 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 |
| | 10106375 |
| KIT, REPLACEMENT, HCN | |
| | 10106728 |
| KIT, XCell CI₂ SENSOR REPLACEMENT | 10106728 10080222 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ | |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT | 10080222 |
| KIT, XCell Cl ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, ClO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ | 10080222 10106727 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ | 10080222 10106727 10080224 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ KIT, XCell NH ₃ SENSOR REPLACEMENT | 10080222 10106727 10080224 10106726 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ KIT, XCell NH ₃ SENSOR REPLACEMENT KIT, REPLACEMENT, PH ₃ | 10080222 10106727 10080224 10106726 10116638 |
| KIT, XCell Cl ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, ClO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ KIT, XCell NH ₃ SENSOR REPLACEMENT KIT, REPLACEMENT, PH ₃ KIT, REPLACEMENT, NO | 10080222 10106727 10080224 10106726 10116638 10114750 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ KIT, XCell NH ₃ SENSOR REPLACEMENT KIT, REPLACEMENT, PH ₃ KIT, REPLACEMENT, NO KIT, REPLACEMENT, PID 10.6EV SENSOR | 10080222 10106727 10080224 10106726 10116638 10114750 10165271 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ KIT, XCell NH ₃ SENSOR REPLACEMENT KIT, REPLACEMENT, PH ₃ KIT, REPLACEMENT, NO KIT, REPLACEMENT, PID 10.6EV SENSOR KIT, REPLACEMENT, PID 10.6EV LAMP | 10080222 10106727 10080224 10106726 10116638 10114750 10165271 10165272 |
| KIT, XCell CI ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, CIO ₂ KIT, XCell SO ₂ SENSOR REPLACEMENT KIT, REPLACEMENT, NO ₂ KIT, XCell NH ₃ SENSOR REPLACEMENT KIT, REPLACEMENT, PH ₃ KIT, REPLACEMENT, NO KIT, REPLACEMENT, PID 10.6EV SENSOR KIT, REPLACEMENT, PID 10.6EV LAMP KIT, PID LAMP CLEANING | 10080222 10106727 10080224 10106726 10116638 10114750 10165271 10165272 10165248 |



ALTAIR 5X Multigas Detector Features:

- Industry-first LEL, 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
- High resolution color display provides crystal clear visibility indoors or out, even in bright sunlight, where lesser displays fail to provide critical information. Display may be customized using your company's logo
- Monochrome display provides cost effective solutions without sacrificing basic functions expected from a high-end gas detector
- 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 Multigas Detector (UL approval), with quick-start card, data logging, charger, calibration tubing. CD manual.

| DESCRIPTION | UL P/N | CSA P/N | | | | |
|--|----------|----------|--|--|--|--|
| INSTRUMENT ONLY | | | | | | |
| ALTAIR 5X DETECTOR MONO, (LEL, O ₂ , CO, H ₂ S) | 10116924 | 10115118 | | | | |
| ALTAIR 5X DETECTOR MONO, (LEL, O ₂ , CO, H ₂ S, SO ₂) | 10116925 | 10115119 | | | | |
| ALTAIR 5X DETECTOR COLOR, (LEL, O ₂ , CO, H ₂ S, PID) | 10165445 | | | | | |
| STANDARD KITS - MONOCHROME DISPLAY, 10-FT SAMPLING LINE, 1-FT PROBE | | | | | | |
| ALTAIR 5X DETECTOR MONO, (LEL, O ₂ , CO, H ₂ S) | 10116926 | 10115120 | | | | |
| ALTAIR 5X DETECTOR MONO, (LEL, O ₂ , CO, H ₂ S, SO ₂) | 10116927 | 10115141 | | | | |
| DELUXE KITS - COLOR DISPLAY, 10-FT SAMPLING LINE, 1-FT PROBE | | | | | | |
| ALTAIR 5X DETECTOR COLOR, (LEL, O ₂ , CO, H ₂ S) | 10116928 | 10115142 | | | | |
| ALTAIR 5X DETECTOR COLOR, (LEL, O ₂ , CO, H ₂ S, SO ₂) | 10116929 | 10115143 | | | | |
| ALTAIR 5X DETECTOR COLOR, (LEL, O ₂ , CO, H ₂ S, PID) | 10165446 | | | | | |

ALTAIR 5X 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 | All ALTAIR 5X Multigas Detectors come standard with data logging and MotionAlert and InstantAlert features. Choose your instrument type, equipped with internal pump. The monochrome full-graphic display is standard; a high-resolution crystal-clear color display with logo customization is optional. | | Instrument Type Pumped with monochrome display Pumped with color display Pumped with color display for PID (unit must be configured with PID sensor | Code A B D | Selection |
|---|--------------------------------|---|---|---|---------------------------------------|-----------|
| 3 | COMBUSTIBLE SENSOR | Choose your combustible sensor calibration. To select 0-100% LEL pentane, please choose L ; for 0-5% Vol methane choose M . For no combustible sensor, select 0 for none. | | Combustible Sensor Options None LEL 1- 100% pentane 0-5% Vol methane | Code 0 L M | Selection |
| | 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 . | | Sensor #2 Options None 0-30% CO/H ₂ S 0-1999 ppm & 0-200 ppm CO 0-1999 ppm H ₂ S 0-200 ppm CO/H ₂ S-LC 0-1999 ppm & 0-99.9 ppm CO-HC 0-10,000 ppm CO/NO ₂ 0-1999 ppm & 50 ppm CO H ₂ -ResH ₂ S 0-1999 ppm & 0-200 ppm | 2 3 1 4 5 6 | Selection |
| | SENSOR #2 | Choose your toxic gas sensor. | | Sensor #3 Options None SO2 0-20 ppm CI2 0-10 ppm NO2 0-20 ppm NH3 0-100 ppm PH3 0-5 ppm HCN 0-30 ppm CIO2 0-1 ppm NO 0-200 ppm | Code 0 A B C D E F G H | Selection |
| | SENSOR#3 | Choose your additional toxic gas sensors. | | Sensor #4 Options None CO/H ₂ S 0-1999 ppm & 0-200 ppm CO 0-1999 ppm H ₂ S 0-200 ppm CO/H ₂ S-LC 0-1999 ppm & 0-99.9 ppm CO-HC 0-10,000 ppm CO/NO ₂ 0-1999 ppm & 50 ppm CO H ₂ -ResH ₂ S 0-1999 ppm & 0-200 ppm SO ₂ 0-20 ppm Cl ₂ 0-10 ppm NH ₃ 0-100 ppm | 2 3 1 4 5 6 | Selection |
| | ADVANCED SENSOR | Add your advanced IR or PID sensor to complete your sensor suite in the ALTAIR 5X Multigas Detector. Combustible sensors are not available with CSA performance approvals. | | Advanced Sensor Options None 10.6eV 0-2000 ppm CO2 0-10% Vol Butane 0-25% Vol Propane 0-100% Vol Methane 0-100% Vol | Code 0 1 B D F | Selection |
| à | PACKAGING | For an economy plastic carrying case, choose E ; for red, choose R ; for standard carton packaging, choose 0 . | | Packaging Options Standard carton Economy plastic Red economy | Code 0 E R | Selection |
| 1 | APPROVAL LABEL | Choose the applicable approval label for your area. For North America, choose C , for Europe choose E , for Australia, choose A . | | Approval Label Options NORTH AMERICA UL only (no catalytic combustible sensor in un Europe ATEX Australia | C C C C C C C C C C C C C C C C C C C | Selection |
| | LOGO EXPRESS® SERVICE | Upon startup, the ALTAIR 5X Multigas Detector can display your company logo or other information. Be sure to select color display for this option. To add your company logo, choose L and upload your logo to the web address which will be sent automatically to you via email. Your order with customized logo cannot be processed without uploading your logo. | - | Logo Express® Service Options None Logo Express Service | Code 0 | Selection |
| J | 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 A or 1 . Options 1 and 2 come with quick disconnect sampling lines and probes. For no sampling line or probe, select 0 . | | Sampling Line and Probe Kit Options None 1-ft clear probe and 10-ft PU Line 1-ft probe and 10-ft PU line w/ QD 1-ft probe and 10-ft teflon line w/ QD (reactive gases) | Code 0 S 1 2 | Selection |

Please write in numbers from selections above in appropriate boxes and contact your safety products distributor to place your order.

