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› [MSA ALTAIR 4X Multi-Gas Detector User Manual](#)

## MSA 10107602



# MSA ALTAIR 4X Multi-Gas Detector

MODEL: 10107602 USER MANUAL

## Introduction and Safety Information

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The MSA ALTAIR 4X Multi-Gas Detector is a robust and reliable instrument designed to monitor ambient air for the presence of combustible gases (LEL), Oxygen (O<sub>2</sub>), Carbon Monoxide (CO), and Hydrogen Sulfide (H<sub>2</sub>S). This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device. Always read and understand these instructions before using the detector.

### Important Safety Precautions:

- Only qualified personnel should operate and maintain this device.
- Ensure the detector is calibrated and bump tested regularly as per local regulations and company policy.
- Do not use the detector if it appears damaged or is not functioning correctly.
- Always be aware of your surroundings and the potential hazards indicated by the detector.
- The detector is designed to alert you to hazardous gas levels; it does not eliminate the hazard.



This image displays the MSA ALTAIR 4X Multi-Gas Detector, a compact, handheld device. The front panel features a large digital display showing readings for COMB/EX (combustible gases), O<sub>2</sub> (oxygen), CO (carbon monoxide), and H<sub>2</sub>S (hydrogen sulfide). Above the display are control buttons and LED indicators. The device has a rugged, charcoal-colored casing.

## Product Features and Components

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The ALTAIR 4X is equipped with advanced MSA XCell sensors for rapid and accurate gas detection. Its robust design ensures durability in harsh environments.

- **Multi-Gas Detection:** Simultaneously monitors LEL, O<sub>2</sub>, CO, and H<sub>2</sub>S.
- **Durable Construction:** Rugged exterior rubber casing designed to withstand a 20-foot drop. IP67 rated for dust and water resistance.
- **Long Battery Life:** Features a 24-hour battery for extended operation.
- **Safety Alarms:** Includes 4 LED lights, an audible alarm, and a man-down alarm feature. User-activated alert for notifying others.
- **XCell Sensors:** MSA's proprietary sensor technology for superior performance.

## Setup and Initial Operation

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### 1. Unpacking and Inspection

Carefully remove the ALTAIR 4X detector from its packaging. Inspect the device for any visible damage. Ensure all components listed in the packing slip are present.

### 2. Charging the Battery

Before first use, fully charge the detector's battery. Connect the charging cable to the detector and plug the charger into a power outlet. The charging indicator will show the charging status. A full charge typically takes several hours and provides up to 24 hours of operation.

### 3. Powering On/Off

- **To Power On:** Press and hold the power button (usually marked with a circle and vertical line) until the display illuminates and the device performs its self-test.
- **To Power Off:** Press and hold the power button until the "Power Off?" prompt appears, then confirm by pressing the appropriate button (refer to on-screen prompts).

## 4. Initial Bump Test and Calibration

It is critical to perform a bump test before each day's use to verify sensor and alarm functionality. Full calibration should be performed regularly according to manufacturer recommendations and local regulations (e.g., every 3-6 months). Refer to the detailed calibration instructions provided with your calibration gas kit.

## Operating the Detector

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### 1. Understanding the Display

The large LCD displays real-time gas concentrations for LEL, O<sub>2</sub>, CO, and H<sub>2</sub>S. It also shows battery status, alarm indicators, and other operational messages.

### 2. Alarm Conditions

The ALTAIR 4X features multiple alarm types:

- **Audible Alarm:** A loud siren sound.
- **Visual Alarm:** Bright LED lights flash.
- **Vibrating Alarm:** The unit vibrates to alert the user.
- **Man-Down Alarm:** Activates if the detector remains motionless for a preset period, indicating a potential user incapacitation.
- **User-Activated Alert:** Allows the user to manually trigger an alarm to signal for help.

When an alarm activates, immediately follow your company's safety protocols for hazardous gas exposure or emergency situations.



A worker is shown in an industrial environment, wearing an MSA ALTAIR 4X Multi-Gas Detector clipped to their safety vest, demonstrating typical usage.

## Maintenance

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Proper maintenance ensures the longevity and accuracy of your ALTAIR 4X detector.

### 1. Cleaning

Clean the exterior of the detector regularly with a damp cloth. Do not use abrasive cleaners or solvents. Ensure sensor inlets are clear of debris.

### 2. Sensor Care

MSA XCell sensors are designed for durability, but proper care is essential. Avoid exposing sensors to extreme

temperatures or prolonged high concentrations of gases outside their specified range, as this can reduce sensor life or cause damage.

### 3. Battery Care

To maximize battery life, avoid fully discharging the battery frequently. Store the detector in a cool, dry place when not in use, and ensure it is charged periodically if stored for long durations.

### 4. Storage

Store the detector in a clean, dry environment within the specified temperature range. Protect it from physical shock and direct sunlight.

## Troubleshooting

This section addresses common issues you might encounter with your ALTAIR 4X detector.

| Problem                         | Possible Cause                                                          | Solution                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector does not power on.     | Low or dead battery.                                                    | Charge the battery fully.                                                                                                                        |
| Sensor error message displayed. | Sensor fault, expired sensor, or calibration issue.                     | Perform a bump test. If error persists, attempt calibration. If still unresolved, contact MSA support for sensor replacement.                    |
| Alarms not sounding/flashng.    | Alarm settings disabled, or speaker/LED fault.                          | Check alarm settings in the menu. Perform a bump test to verify alarm function. If still no alarm, contact MSA support.                          |
| Inaccurate gas readings.        | Needs calibration, sensor contamination, or sensor nearing end-of-life. | Perform a fresh air calibration, then a full calibration. Ensure sensor inlets are clean. If issues persist, sensor replacement may be required. |

For issues not listed here or if solutions do not resolve the problem, please contact MSA customer support.

## Specifications

| Feature                        | Detail                                                                       |
|--------------------------------|------------------------------------------------------------------------------|
| Model Number                   | 10107602                                                                     |
| Detected Gases                 | LEL (Combustible), O2 (Oxygen), CO (Carbon Monoxide), H2S (Hydrogen Sulfide) |
| Power Source                   | Battery Powered (24-hour battery life)                                       |
| Alarm Type                     | Audible, Visual (LED), Vibrating, Man-Down                                   |
| Sensor Type                    | MSA XCell Sensors                                                            |
| Ingress Protection (IP) Rating | IP67                                                                         |
| Drop Resistance                | 20-foot drop test certified                                                  |
| Operating Temperature Range    | -4°F to 122°F (-20°C to 50°C)                                                |
| Item Weight                    | 0.55 Pounds (approx. 8.8 ounces)                                             |

| Feature            | Detail                                         |
|--------------------|------------------------------------------------|
| Product Dimensions | 10.39 x 5 x 3.94 inches (packaging dimensions) |

## Warranty and Support

The MSA ALTAIR 4X Multi-Gas Detector comes with a **a3-year warranty** and a performance guarantee, ensuring reliability and peace of mind.

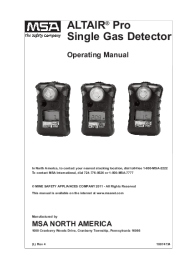
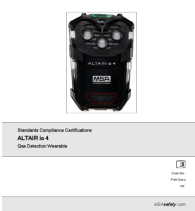
For technical support, warranty claims, or service, please contact MSA Safety Incorporated directly. Visit the official MSA website for contact information and additional resources.

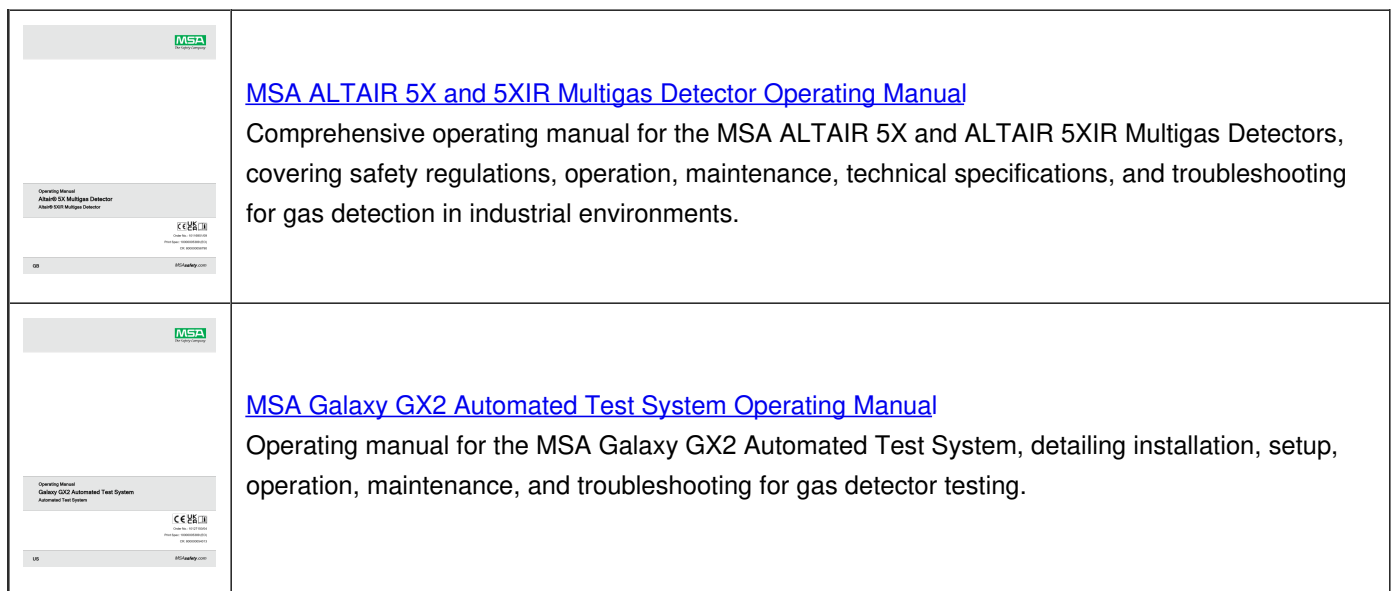
[Visit the MSA Safety Store on Amazon](#)

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This manual is for informational purposes only. Specifications are subject to change without notice.

## Related Documents - 10107602

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p><a href="#">MSA ALTAIR Pro Single Gas Detector Operating Manual - Safety and Usage Guide</a></p> <p>This operating manual provides detailed instructions, safety guidelines, calibration procedures, and troubleshooting for the MSA ALTAIR Pro Single Gas Detector. Learn how to use and maintain your gas detection instrument effectively.</p>                                                                                             |
|  | <p><a href="#">MSA ALTAIR Pump Probe: Durable Gas Detector for Hazardous Environments</a></p> <p>Explore the MSA ALTAIR Pump Probe, a rugged and reliable gas detection instrument. Learn about its key features, technical specifications, approvals, and ordering information for industrial safety applications.</p>                                                                                                                          |
|  | <p><a href="#">MSA GALAXY GX2 Automated Test System for Gas Detectors</a></p> <p>The MSA GALAXY GX2 Automated Test System offers simple, intelligent testing and calibration for MSA ALTAIR and ALTAIR PRO single-gas detectors, and ALTAIR 4XR and ALTAIR 5X multi-gas detectors. It features an easy-to-use interface, automated testing, and comprehensive fleet management capabilities.</p>                                                 |
|  | <p><a href="#">MSA ALTAIR io 4 Gas Detection Wearable: Standards Compliance Certifications and Notices</a></p> <p>This document provides details on the MSA ALTAIR io 4 Gas Detection Wearable, covering device cleaning procedures, important safety notices including Bluetooth and radio information, ingress protection, charging guidelines, and comprehensive certifications and markings from bodies like UL, CAN/CSA, ATEX, and IEC.</p> |



## Documents - MSA – 10107602



[\[pdf\]](#) User Manual Warranty

Instrumentation ALTAIR® 5 Multigas Detector 1 day ago — 10106623 CD manual ALTAIR 4X

Replacement instruction ROM 10048654 Sirius Instructional Video 12716789 cdn e soneparcanada io  
PIM Docs STEP ASSETS |||

Instrumentation ALTAIR 5 Multigas Detector The new MSA Altair 5 Multigas Detector raises the bar to ... , CD manual. MotionAlert feature is now included as standard on all detectors. Part No. Description **10107602** ALTAIR 4X Multigas Detector LEL, O2, CO, H2S Charcoal 10110443 ALTAIR 4X Multigas Detecto...

lang:en score:33 filesize: 1.73 M page count: 9 document date: 2014-09-19

[\[pdf\]](#) Guide Accessories

0302 20 MC OGPGuide Christy Weishorn SELLING GUIDE for OIL GAS and PETROCHEMICAL

MARKET For further information MSA Respiratory Protection is ideal working in tight places  AirHawk®  
 II SCBA available many configurations PremAire® Cadet Selling Guide Oil Gas Petrochem Market EN  
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SELLING GUIDE for OIL, GAS and PETROCHEMICAL MARKET OGP More than 2.2 million in OSHA penalties ... ctive respiratory protection Available with five, ten or fifteen minute escape cylinders 10116926 **10107602** 10072487 506208 596204 506202 ALTAIR 4X Multigas Detector ALTAIR 5X Multigas Detector Fo...

lang:en score:32 filesize: 941.25 K page count: 2 document date: 2012-03-26



### [pdf] User Manual Catalog

5555 83 MC FireCatalog2010 Dana Celich Vertex Standard VX 600v Instruction manual 7352849 archive org manualzilla id

20102011 FIRE SERVICE CATALOG Technology That Saves Lives FIRE SERVICE PRODUCTS From us to you: b ... CD manual. MotionAlert feature is now included as standard on all detectors. Part No. Description **10107602** 10110443 10110444 10107603 10110445 10110446 ALTAIR 4X Multigas Detector LEL, O<sub>2</sub>, CO, H<sub>2</sub>S... lang:en score:31 filesize: 11.81 M page\_count: 60 document date: 2010-07-30



### [pdf] User Manual Catalog

MSA SEA Mainline Catalogue 2017 12leecaz Safety Equipment Dynamic media 2019 All rights reserved When using a air brea s7d9 scene7 is content minesafetyappliances The user guided through the smart test process step by Versions available for O<sub>2</sub> ClO<sub>2</sub> HCN and PH<sub>3</sub> Please refer to Instruction Manual Always there you Our Values Quality world s leading manufacturer of high quality Products Gas Detection System Solutions protecting people throughout over century 80

MSA Safety Equipment Catalogue Volume 3 - South East Asia Because every life has a purpose... MSA ... ware-ready. MSA XCell sensors MSA XCell Sensors. Popular Models Part Number Description 4-GAS **10107602** LEL 0-100 Pentane , O<sub>2</sub>, CO, H<sub>2</sub>S, North America power supply, CSA 10110453 LEL 0-100 Pe... lang:en score:30 filesize: 5.2 M page\_count: 96 document date: 2017-01-17



### [pdf] User Manual Specifications Declaration of Conformity

Microsoft Word 10107602 doc Michelle Docherty MSA Altair 4 X Multigas Detector Part 1 800 465 3898 safetyexpress The ALTAIR 4X surpasses industry standards in several specs ||| MSA Altair 4 X Multigas Detector Product Features Part# **10107602** The MSA ALTAIR 4X Multigas Detector surpasses industry standards in several crucial areas. Its four-year sensor life is 60 longer than the industry average, while its 24-hour run time exceeds the industry average by 71 . This versat... lang:en score:27 filesize: 221.56 K page\_count: 1 document date: 2013-07-11



[\[pdf\]](#) User Manual

0800 10 MC GasDetectors FS Chemical Construction Fire Service General Industrial Oil Gas Utilities Water Treatment Detection Confined Space Toxic portable gas detector detectors single welding Detectors Altair Detector Volatile Organic Compound VOC Galaxy Automated Test System for the calibration cap and tubing CD manual MotionAlert™ feature is now standard on all P N Description 10107602 altair 4X multigas lel o2 co H2s charcoal 10110443 10110444 fus us msa mc gasdetectors fs cdn3 evostore io documents fusion

Gas detectors for the Fire Service msa Gas detectors for your fire service applications emergency ... cap and tubing, CD manual. MotionAlert™ feature is now standard on all detectors. P/N Description **10107602** altair 4X multigas detector lel, o2, co, H2s , charcoal 10110443 altair 4X multigas detect...

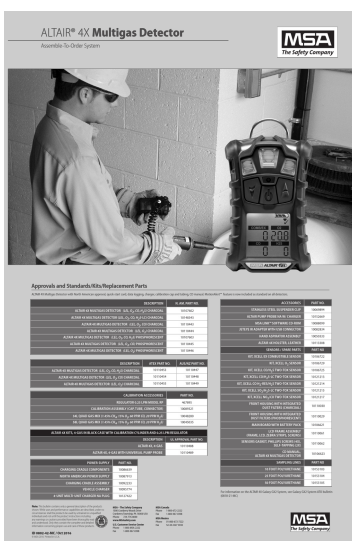
lang:en score:24 filesize: 1.49 M page\_count: 8 document date: 2016-08-02



[MSA Safety Equipment Catalog 2015-2016 | Respiratory Protection, Gas Detection, Fall Protection, SCBA](#)

Comprehensive MSA Safety Equipment Catalog (2015-2016) detailing respiratory protection, gas detection, fall protection, SCBA, and more. Find product specifications, selection guides, and contact information for MSA's extensive safety solutions.

lang:en score:22 filesize: 42.02 M page\_count: 264 document date: 2016-10-07



[\[pdf\]](#) User Manual Accessories

Layout 1 ALTAIR® 4X Multigas Detector ALTAIR with North American approval quick start card data logging charger calibration cap and tubing CD manual MotionAlert™ feature is now included as standard on all detectors CALIBRATION ACCESSORIES PART NO REGULATOR 0 25 LPM MODEL RP 467895 ASSEMBLY CAP TUBE CONNECTOR 10089321 ATO EN s7d9 scene7 content minesafetyappliances ALTAIR 4X Multigas Detector Assemble-To-Order System Approvals and Standards/Kits/Replacement Parts ... CTOR LEL, O2, CO PHOSPHORESCENT ALTAIR 4X MULTIGAS DETECTOR LEL, O2 PHOSPHORESCENT N. AM. PART NO. **10107602** 10148343 10110443 10110444 10107603 10110445 10110446 DESCRIPTION ALTAIR 4X MULTIGAS DETEC...

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[\[pdf\]](#) Datasheet

0802 50 MC ALTAIR4XBulletin Christy Weishorn THAT COUNTS Gas Detectors USAThe ALTAIR 4X Multigas Detector for LEL CO H2S and O2 is as tough functional it looks A rugged housing provides unsurpassed durability including MSA Datasheetgasdetectorsusa gdusa MSA Datasheet srsltid AfmBOooFHcRJfMWHElvJE56CddInf3uy4YFegiwmeUFT8j6LwNfCYpG USATHAT including 10055576 Universal pump probe U S CAN 10047594 ANZ IEC 10047596 ATEX Calibration 10048280 can MSA DatasheetMSA eUFT8j6LwNfCYpGgasdetectorsusa AfmBOoqkj61EhMfOztNsb7YUuNfEtzxZwYBG2uVtvcQihccJrvDc1XmI ||| IT S WHAT S INSIDE THAT COUNTS ALTAIR 4X Multigas Detector With MSA XCell Sensor Technology IT S W ... , data logging, charger, calibration cap and tubing Approvals U.S./CAN ATEX ANZ Configuration **10107602** 10107603 10110443 10110445 10110444 10110446 10110453 10110456 10110454 10110457 10110455 ... lang:en **score:19** filesize: 1.35 M page\_count: 6 document date: 2015-06-18



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0802 50 MC ALTAIR4XBulletin Data SheetMSA ALTAIR 4X Multigas Detector Pine Environmentalmsa altair 4x datasheetcdn shopify s files 1 0065 4616 1748 msa datasheet v 1607730677 SheetData EnvironmentalMSA datasheetmsa 1607730677cdn Altair DatasheetData Choose ConfigurationMSA datasheetsite msagasmonitors MSA ||| IT S WHAT S INSIDE THAT COUNTS AltAir 4X Multigas Detector With MSA XCell Sensor technology MSA Li ... g, charger, calibration cap, and tubing Approvals U.S./CAN ATEX ANZ Configuration Case Color **10107602** 10107603 10110443 10110445 10110444 10110446 10110453 10110456 10110454 10110457 10110455 ... lang:en **score:19** filesize: 1.46 M page\_count: 6 document date: 2011-12-09



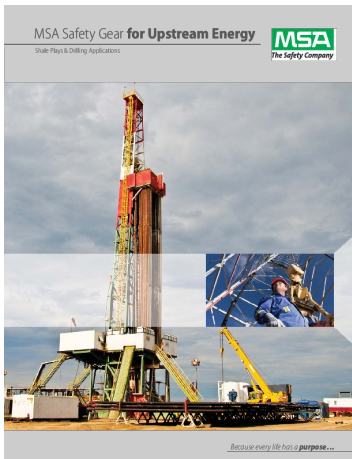
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0802 50 MC ALTAIR4XBulletin Christy Weishorn Gas Detectors USA MSA ALTAIR 4X Datasheet gasdetectorsusa gdusa ||| IT S WHAT S INSIDE THAT COUNTS ALTAIR 4X Multigas Detector With MSA XCell Sensor Technology IT S W ... , data logging, charger, calibration cap and tubing Approvals U.S./CAN ATEX ANZ Configuration **10107602** 10107603 10110443 10110445 10110444 10110446 10110453 10110456 10110454 10110457 10110455 ... lang:en **score:19** filesize: 1.35 M page\_count: 6 document date: 2015-06-18









[\[pdf\]](#) Warranty Accessories

5500 004 MC UpstreamEnergy Emily Vukson mc upstreamenergy s7d9 scene7 80 is content minesafetyappliances

MSA Safety Gear for Upstream Energy Shale Plays Drilling Applications Because every life has a pur ... h only MSA XCell Sensors Exclusive optional MotionAlert™ and InstantAlert™ features. PART NUMBER **10107602** H2S ALTAIR Single-Gas Detector More than two years operation maintenance-free One-button...

lang:en score:15 filesize: 973.86 K page\_count: 4 document date: 2014-06-12



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0802 50 MC ALTAIR4XBulletin Christy Weishorn 84501 Brochure 1325KB Feb 11 2019 Spec Sheets spec sheets interlinksupply |||

IT S WHAT S INSIDE THAT COUNTS ALTAIR 4X Multigas Detector With MSA XCell Sensor Technology IT S W ... , data logging, charger, calibration cap and tubing Approvals U.S./CAN ATEX ANZ Configuration **10107602** 10107603 10110443 10110445 10110444 10110446 10110453 10110456 10110454 10110457 10110455

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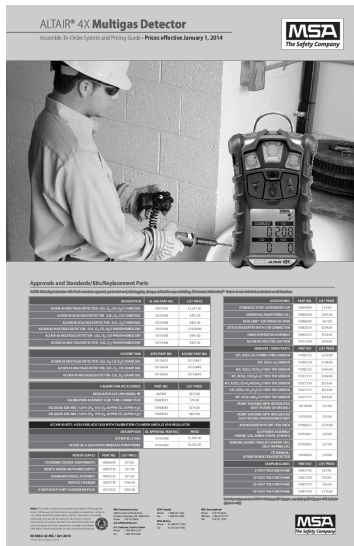
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0802 50 MC ALTAIR4XBulletin Christy Weishorn View Multigas Detector Altair 4XGas Detection and Breathing Apparatus Safety Supply SolutionsGD 4X multigas detectorcdn shopify s files 1 0530 4107 0239 GD detector v 1614496182 |||

IT S WHAT S INSIDE THAT COUNTS ALTAIR 4X Multigas Detector With MSA XCell Sensor Technology IT S W ... , data logging, charger, calibration cap and tubing Approvals U.S./CAN ATEX ANZ Configuration **10107602** 10107603 10110443 10110445 10110444 10110446 10110453 10110456 10110454 10110457 10110455

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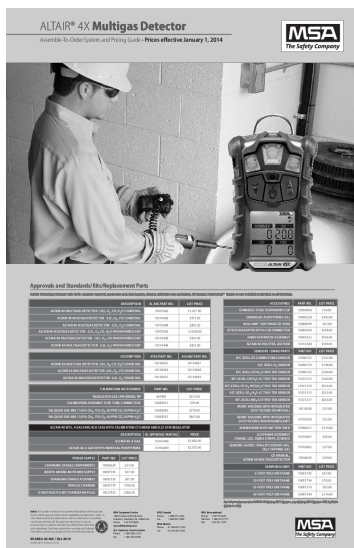


[pdf] Guide Accessories Catalog

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ALTAIR 4X Multigas Detector Assemble-To-Order System and Pricing Guide Prices effective January 1, ... CTOR LEL, O2, CO PHOSPHORESCENT ALTAIR 4X MULTIGAS DETECTOR LEL, O2 PHOSPHORESCENT N. AM. PART NO. **10107602** 10110443 10110444 10107603 10110445 10110446 LIST PRICE 1.017.00 971.00 801.00 1,038.0...

lang:i-klngon score:14 filesize: 699.38 K page\_count: 2 document date: 2014-02-07



[MSA ALTAIR 4X Multigas Detector: Assemble-To-Order System and Pricing Guide](#)

Detailed pricing and configuration guide for the MSA ALTAIR 4X Multigas Detector. Features XCell Sensors, MotionAlert, and extensive customization options for gas detection needs, including part numbers, accessories, and pricing.

lang:i-klngon score:14 filesize: 700.5 K page\_count: 2 document date: 2014-01-16



[pdf]

0802 50 MC ALTAIR4X qxp 4x Emily Vukson IT S WHAT INSIDE THAT COUNTS Built on Durability The ALTAIR 4X Multigas Detector for LEL O2 CO H 2S with H2 res H2S LC SO 2 or NO2 option is as tough and functional it looks A rugged housing provides unsurpassed durability including the ability t o survive a 20 Bulletin EN s7d9 scene7 content minesafetyappliances

IT S WHAT S INSIDE THAT COUNTS ALTAIR 4X Multigas Detector With MSA XCell Sensor Technology IT S W ... data logging, charger, calibration cap, and tubing Approvals U.S./CAN ATEX ANZ Configuration **10107602** 10107603 10110443 10110445 10110444 10110446 10148343 10110453 10110456 10110454 10110457

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## [pdf] Warranty

0800 91 MC KeyPortableGasDetectors Chemical Construction Fire Service General Industrial Oil Gas  
 Utilities Water Treatment Detection Confined Space Toxic portable gas detector detectors single welding  
 Detectors Altair Detector Galaxy Automated Test System 2x 4x fus us msa mc keyportablegasdetectors  
 cdn3 evostore io documents fusion

MSAPortableGasDetectors ID0800-91-MC/Oct2014 MSA2014PrintedinU.S.A.

ALTAIR4X 4gasLEL,O<sub>2</sub>,H<sub>2</sub>S,CO Reducedcalgasuse Fastresponse 20 droptest  
 Wateranddusttight 3-yearwarranty Confinedspace personalmonitor 1to4gases

ALTAIR 4X MULTIGAS DETECTOR ALTAIR 4X Multigas Detector LEL, O<sub>2</sub>, CO, H<sub>2</sub>S  
 Charcoal 1...

lang:en score:13 filesize: 597 K page\_count: 1 document date: 2016-08-02



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0802 50 MC ALTAIR4X V3 Christy Weishorn Boletin ALTAIR 4X ES s7d9 scene7 80 is content  
 minesafetyappliances

SU INTERIOR ES LO QUE CUENTA Detector de Gases múltiples ALTAIR 4X con  
 Tecnología de Sensores XCell de ... AIR 4X con 3 aos de garanta, registro de datos,  
 cargador, cubierta y tubo de calibracin. No. Parte **10107602** 10107603 Producto de  
 Disponibilidad Inmediata 10110443 10110445 10110444 10110446 Con gu...

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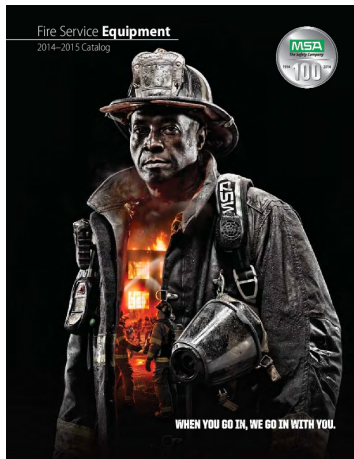


## [pdf] Declaration of Conformity Catalog

Layout 1 Fire Service Equipment MSA 476105 Catalog assets unilogcorp 2 ITEM DOC |||

Fire Service Equipment 20152016 Catalog Equipment for the Fire Service From us to  
 you: better pro ... tandard on all detectors. ALTAIR 4X Multigas Detector charcoal left  
 and phosphorescent right **10107602** 10110443 10110444 10107603 10110445  
 10110446 Description ALTAIR 4X Multigas Detector LEL,...

lang:en score:13 filesize: 9.61 M page\_count: 60 document date: 2015-08-17



[\[pdf\]](#) Catalog

5555 83 MC FireServiceCatalog2014 Dana Celich Fire Service Equipment Bauer Compressors BAUER COMP From us to you better products and services As your emergency responder duties expand as well exposure additional potential hazards 7 MSAFire Finally an SCBA where one size really can fit all Ergonomics The MSA G1 is the only on market that offers harness customization ensure improved comfort 2014 2015 Catalog bauercomp sites default files  
Fire Service Equipment 20142015 Catalog Equipment for the Fire Service From us to you: better prod ... calibration cap and tubing, CD manual. MotionAlert™ feature is now standard on all detectors. P/N **10107602** 10110443 10110444 10107603 10110445 10110446 Description ALTAIR 4X Multigas Detector LEL,...  
lang:en score:11 filesize: 4.16 M page\_count: 56 document date: 2015-05-07



[\[pdf\]](#) Guide Borchure Catalog

Academic Safety Brochure academic safety brochure beta static fishersci content dam en US documents programs scientific brochures and catalogs  
PROVIDING SAFETY SOLUTIONS TODAY FOR THE RESEARCH OF TOMORROW a portfolio of more than 75,000 items ... MSA Link™ software ready Sensors LEL, O2 LEL, O2, CO LEL, O2, H2S, CO Mfr. No. 10110444 10110443 **10107602** Cat. No. 19-100-812 19-100-811 19-100-810 Mfr. No. Cat. No. 6002 17-986-11B 6004 6005 ...  
lang:en score:11 filesize: 19.94 M page\_count: 16 document date: 2015-05-18



[\[pdf\]](#) Catalog

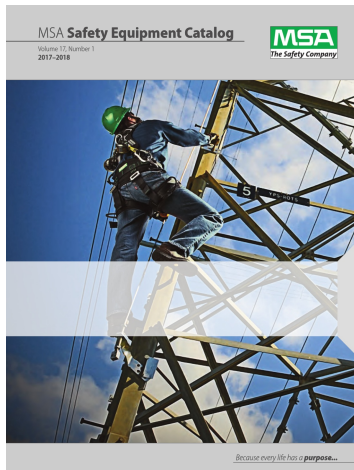
5555 82 MC SafetyProductsCatalog MSA Safety Equipment Catalog Spec Sheets Air Purifying Respirators APRs range pack allows for free movement within confined spaces 20 threaded connector less suspension 32823 spec sheets interlinksupply |||  
MSA Safety Equipment Catalog Volume 15, Number 1 20132014 Because every life has a purpose... AMiS ... I. MotionAlert feature is now included as standard on all detectors. ALTAIR 4X MULTIGAS DETECTORS **10107602** 10110443 10110444 10107603 ALTAIR 4X Multigas Detector LEL, O2, CO, H2S Charcoal ALTAIR ...  
lang:en score:10 filesize: 27.22 M page\_count: 260 document date: 2013-05-07



## [MSA Safety Solutions: Head, Hearing, Respiratory, Gas Detection, and Fall Protection Catalog](#)

Comprehensive occupational health and safety products from MSA, distributed by Grainger, designed for worker protection and OSHA compliance. Explore head protection, hearing protection, respiratory protection, gas detection, and fall arrest systems.

lang:en score:10 filesize: 6.73 M page\_count: 48 document date: 2013-03-15



## [MSA Safety Equipment Catalog 2017-2018 | Respiratory Protection, Gas Detection & More](#)

Explore the comprehensive MSA Safety Equipment Catalog for 2017-2018, featuring respiratory protection, gas detection, head protection, fall protection, SCBA, and more. Find detailed product information and specifications from MSA, the safety company.

lang:en score:10 filesize: 29.11 M page\_count: 204 document date: 2017-10-09



## [\[pdf\] Specifications Catalog](#)

5555 82 MC SafetyProductsCatalog Dana Celich Specification MSA Safety Company XCELL® ALTAIR 5X CMBST SNSR KIT WHIT 10106722 Pollardwater Query ASSET ID 4900869 USE TYPE SPECIFICATION PRODUCT 5094936 api ferguson dar step service |||

MSA Safety Equipment Catalog Volume 15, Number 1 20132014 Because every life has a purpose... AMiS ... I. MotionAlert feature is now included as standard on all detectors. ALTAIR 4X MULTIGAS DETECTORS **10107602** 10110443 10110444 10107603 ALTAIR 4X Multigas Detector LEL, O2, CO, H2S Charcoal ALTAIR ...

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