Galaxy® Automated Test System

MSA
The Safety Company

Automated record keeping and calibration system for MSA portable gas detection instruments. System is stand-alone, requiring no computer, controller, or network interface. All gas tubing and communication paths are pre-connected.

- Durable, innovative design
- Value-driven performance
- High quality, cost-effective autocalibration solution
- Pressure-demand regulator doesn't waste calibration gas
- Industry-standard memory card
- Instrument charging option available
- Optional replaceable battery pack
- Standard web browser accessibility for data retrieval and reporting

The Galaxy Automated Test System is an easy-to-use, versatile, and durable calibration and test system that offers simplicity, incredible performance, and is able to withstand the harshest environments, all at an affordable price. Simply place the instrument in the test stand and close the door. The system performs the test automatically; no other user intervention is required. MSA instruments that are compatible with the Galaxy System are Solaris®, Orion®, Sirius®, and Altair® Multigas Detectors. The Altair Galaxy Test System has no door and only requires a simple push of the instrument's test button to initiate calibration.

This test system does not require a computer or network interface for any mode of operation; the system can operate completely standalone or can be connected to a computer network. Setup is easy and fast due to pre-connected tubing within each Galaxy System test stand. The optional cylinder holder allows for simple connection of calibration gas to the Galaxy System test stand, completing the setup. Up to ten test modules can be interconnected for simple expandability.

The Galaxy Automated Test System helps to lower the overall total cost of ownership of your current MSA gas detection instruments. With automated record keeping capabilities available with each Galaxy Test Stand, there's no need to keep handwritten records of an instrument's calibration history. The Galaxy Test System comes with a two-year, all inclusive warranty.

Easy-To-Understand Pass/Fail Indicators

High-intensity LEDs provide quick, unmistakable notification of a successful calibration or test.

Multiple System Interconnectivity

Up to 10 instrument-specific Galaxy Test System modules can be interconnected. All connections are pre-linked within each Galaxy System Test, eliminating the guesswork of calibration gas and electronic connectivity.

Instrument Charging

As an added feature, some MSA instruments can be recharged using the GalaxySystem . The instrument charge feature is automatic after a successful bump or calibration, making the Galaxy System fully automated. At the end of the day, simply place your MSA portable gas detector in the test stand and the next day your instrument is calibrated, fully charged, and ready for use.

Industry-Standard Memory Card

An industry-standard memory flash card is also available for simple data retention of more than 1000 individual test records. When multiple Galaxy System test stands are interconnected, the data from all test stands is shared on a single memory card.

The memory card data is then retrieved by a card reader that interfaces to your computer and is presented in an easy-to-understand format.

Optional Replaceable Battery Pack

For areas where AC power may not be accessible, the Galaxy System has an optional battery pack available. This innovative and cost-effective solution uses replaceable AA alkaline batteries and can provide up to 100 calibrations or bump checks per instrument test stand!

Optional Printer

An optional printer is also available for the Galaxy Automated Test System. This option is the perfect solution for attaching the most current calibration record to your confined space entry permit or maintaining a calibration log book.

Desktop or Wall-Mount

With various lengths of DIN rail available, any combination of up to 10 Galaxy System test stands and 3 cylinder holders can be mounted to a wall. This is very beneficial for installations where desk space is limited.

Inventive System Door

The system door has multiple functions:

- ensures proper gas flow
- provides proper connection when charging your MSA portable instrument
- acts as a dust cover to keep unwanted debris from entering the test stand

Robust Design

The Galaxy System test stand is molded out of high-strength polycarbonate plastic and will withstand the harshest environments.

In-Line Gas Cylinder Holder

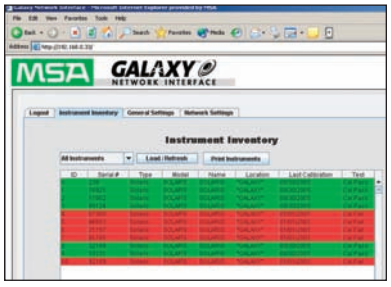
An additional feature of the Galaxy Automated Test System, the gas cylinder holder (patent pending), helps keep the work area uncluttered; an MSA exclusive.

Network Interface

For the fully-featured version of the Galaxy Automated Test System, an optional network interface is available. This interface is offered for wired (Ethernet) networks. The Galaxy System interface for data retrieval and reporting is extremely easy to use. Any web browser such as Internet Explorer or Netscape Navigator can be used to access the data of a network-enabled Galaxy Automated Test System. Calibration records, due date for instrument calibration, and email notification are just a few of this interface's capabilities.

Instrument Inventory

The Galaxy System network interface includes includes instrument type, serial number, test stand location, and last calibration date, as well as the type of test performed. A complete inventory report can also be printed from this



screen. Instruments which are due for calibration are clearly highlighted in red, and those which have recently been successfully calibrated are highlighted in green, providing clear understanding of an instrument's calibration status at a glance.

Settings

Nearly all settings of a Galaxy System test stand can be modified via the network interface. The type of test, calibration due interval, and cylinder configuration are just a few of the settings that can be easily modified.

Email Notification

By simply checking a box, the Galaxy System network interface will notify via email up to two recipients when an instrument is due for calibration or has

failed calibration. The email notification delivery is completely user-settable to automatically send this notification at a particular time on any given day.

Network Manager

Galaxy System network manager software provides access to multiple network-enabled Galaxy System test stands. The network manager performs many of the same functions of the standard network interface; however it combines all instrument inventories and last calibration data from the entire network and displays the data in an easy-to-understand format.

Ordering Information

All Galaxy System kits include 1 complete Galaxy System, North American power supply, instruction manual, and required filters and tubing.

Description	Altair 5 Pumped Galaxy Kits Part No.	Altair 5 Diffusion Galaxy Kits Part No.	Altair 4 Galaxy Kits Part No.	Solaris Galaxy Kits Part No.	Sirius Galaxy Kits Part No.	Altair Galaxy Kits Part No.
Basic Standalone Kit						
Basic system	10090589	10090552	10089964	10061051	10061050	10078252
Standard Standalone Kit						
(includes regulator)						
Standard system	10090603	10090618	10089998	10061783	10061810	10078253
Standard system + charging	10090600	10090615	10089995	10061784	10061811	—
Standard system + cylinder holder	10090602	10090617	10089997	10061785	10061812	10078254
Standard system + charging cylinder holder	10090601	10090616	10089996	10061786	10061813	—
Smart Standalone Kit						
(includes regulator, memory card)						
Smart system	10090594	10090583	10089969	10061787	10061814	10078255
Smart system + charging	10090590	10090579	10089965	10061788	10061815	—
Smart system + cylinder holder	10090593	10090582	10089968	10061789	10061816	10078256
Smart system + charging cylinder holder	10090592	10090581	10089967	10061790	10061817	—
Portable Kits						
(includes regulator, battery pack)						
Portable system	10090599	10090588	10089994	10061802	10061818	10078257
Portable system + memory card, cylinder holder	10090598	10090587	10089993	10061801	10061819	10078258
Wired Network Kits						
(includes regulator, wired Ethernet access)						
Wired network system	10090608	10090623	10090003	10061803	10061820	10078259
Wired network system + charging cylinder holder	10090607	10090622	10090002	10061804	10061821	—

Altair® 4 QuickCheck® Station

The Altair 4 QuickCheck Station performs bump and function tests in less than one minute, significantly trimming daily required preparation time for large Altair 4 Multigas Detector fleets. Keeps costs down with less up-front hardware expense and calibration gas.

Description	North America Part No.	Europe Part No.	Australia Part No.
50% tolerance range	10101519	10101554	10101559
40% tolerance range	10101520	10101555	10101560
30% tolerance range	10101551	10101556	10101561
20% tolerance range	10101552	10101557	10101562
Regulator	10075893		
Cylinder Holder Assembly	10101085		
Car charger	10049410		

Altair QuickCheck Station

Fast, easy bump tests. Maintenance free. Checks instrument's visual, audible, and vibrating alarms. Easy-to-understand LEDs show tests in progress and pass/fail status. Compatible with most ALTAIR and ALTAIR Pro Detectors.

Gas Type	Manual Regulator	Automatic Regulator
$O_2/CO/H_2S/SO_2/NO_2$	10076692	10076704
Cl_2/ClO_2	10076701	10076713
NH_3	10076695	10076707
HCN	10076698	10076710

Galaxy System Kits/Calibration Cylinders/Replacement Parts

Accessories	*Part No.*
Demand Flow Regulator	710288
Memory Card Reader	10061058
Memory Card	10061059
Cylinder Holder	10062235
Galaxy End Cap	10061219
High Capacity Fresh Air Filter	10062363
Fresh Air Filter	10050789
DIN Rail Kit for Wall Mounting (3 Units)	10062364
DIN Rail Kit for Wall Mounting (6 Units)	10062365
DIN Rail Kit for Wall Mounting (13 Units)	10062366
Galaxy Wired Network Interface	10062274
Galaxy Test Stand Printer	10066386
Printer Cable	10067705

Power Supply	*Part No.*
North American Power Supply	10047342
Global Power Supply	10047343
Battery Pack Module	10062273
Multi Unit (10) Power Supply	10069498

Operational Aides	*Part No.*
Galaxy Overview – CDROM	10062936
Galaxy Overview-VHS	10062935
Galaxy Instruction Manual – Paper	10061049
Galaxy Instruction Manual – CDROM	10062930
Galaxy Network Interface Software & Manual – CDROM	10067706

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.

ID 0800-27-MC / Sept. 2011

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