

# Briefing Document

**RE: Arc-Max<sup>®</sup> quick-start instructions**

**16 October 2007**

1. This write-up assumes that Arc-Max<sup>®</sup> hardware and software components have been properly installed. If in doubt, refer to the document:

arc-max\_microscan\_installation\_manual\_rev\_e.pdf available on our website in the Tech Center/Manual Downloads

[http://www.gasdetection.com/TECH/arc-max\\_microscan\\_installation\\_manual\\_rev\\_e.pdf](http://www.gasdetection.com/TECH/arc-max_microscan_installation_manual_rev_e.pdf)

Note that Arc-Max<sup>®</sup> is a specialized report writer that works in conjunction with Microscan. Microscan is a so-called SCADA (Supervisory Control and Data Acquisition) software package that is sampling and storing the sensor data.

2. Make sure that the dongle is connected to the computer, as the software can only run in the demo mode without it, and no data will be collected.



3. An icon should appear on your computer desktop similar to this....

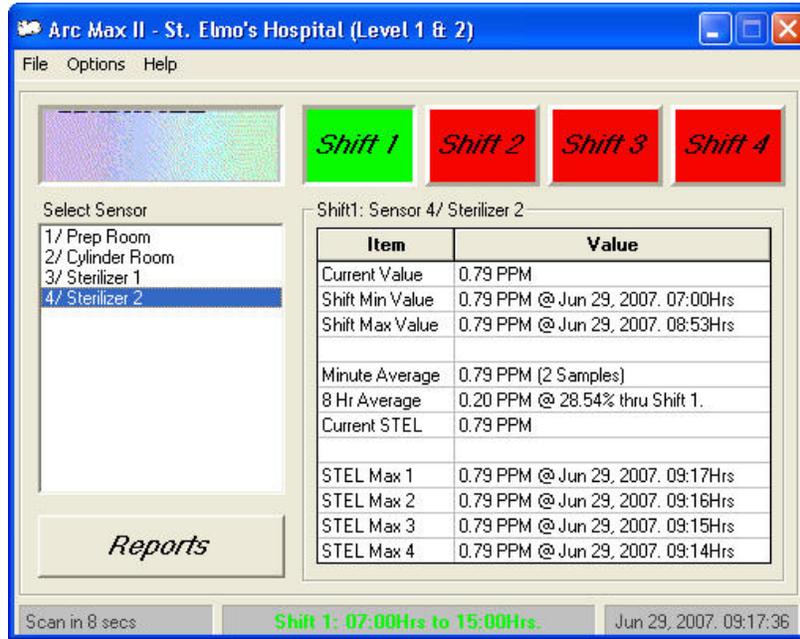


Double-click on this icon to start both Microscan and Arc-Max<sup>®</sup>, if the programs are not already running.

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4. Typically, users like to display two windows simultaneously—

The main Arc-Max<sup>®</sup> screen



and one of the trending screens



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5. The trending screens are part of the Microscan program, and can be accessed via the navigation tree on the left—by clicking on the page name, under “Recorder Home.” The “Line” button displays a graph; the “Data” button displays current values for all monitoring points.
  
6. For viewing these two windows simultaneously, a screen resolution of at least 1024 x 768 is required.
  
7. Here are a few things to note on the main Arc-Max<sup>®</sup> screen...
  - a) The active shift is indicated in green
  - b) Detailed information for a particular sensor (or monitoring point) can be selected
  - c) You can see the current value, and other parameters
  - d) The 8-hour average is continuously updated, as are the four highest STELs
  - e) The shift min and max are also continuously updated
  - f) Shift reports are available automatically at the end of each shift, or on-demand
  
8. There are many features connected with the trending screens, but we call your attention to these...
  - a) The X and Y axes are user-adjustable
  - b) The various monitoring points are identified by different colors on the graph, and are further described under the page name on the recorder—in the navigation tree on the left
  - c) A “mouse track” feature allows you to get precise X and Y coordinate readouts for any position on the graph
  - d) You can shift to historical trending at any time. In the history view, a horizontal scrolling feature is enabled.

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9. In the event of an instantaneous alarm, an alarm window will automatically pop up

The screenshot shows a window titled "Tag Alarm Notify" with a red alarm clock icon. It displays "Current Alarms: 5" and buttons for "Alarm Status", "Close", and "5 Min Hide". Below is a table with the following data:

Tag	Label	Reading	State	SetPoint	Time	Date
1	Prep Room	5.109	High	1.000	9:50:54	29/06/2007
2	Cylinder Room	5.195	High	1.000	9:50:56	29/06/2007
2	Cylinder Room	5.195	High	5.000	9:50:56	29/06/2007
3	Sterilizer 1	2.118	High	1.000	9:50:54	29/06/2007
4	Sterilizer 2	1.144	High	1.000	9:50:54	29/06/2007

10. The program maintains an alarm log, as well.

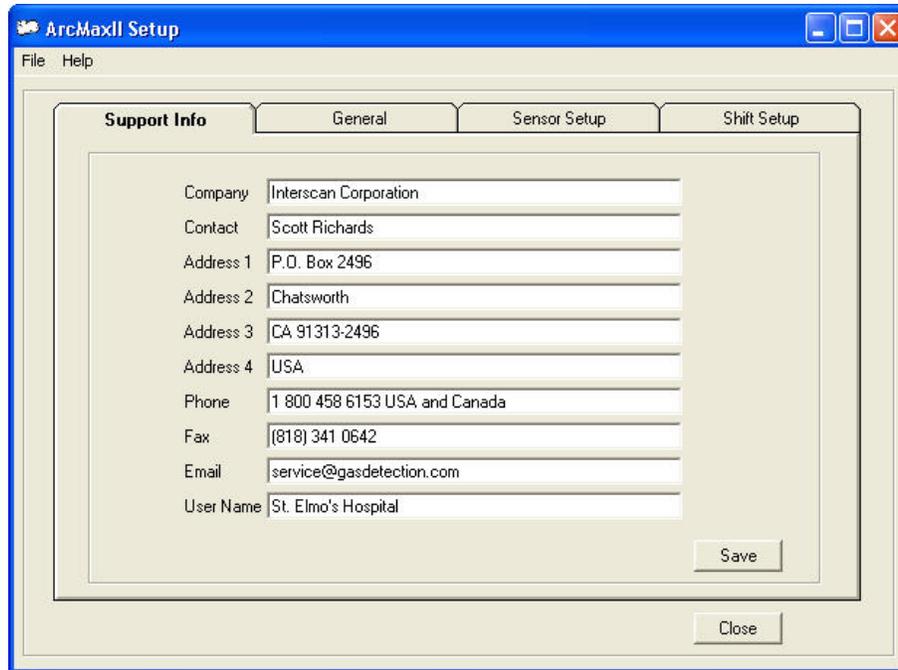
The screenshot shows the "Alarm Log" window in the MicroScan V5 software. The window title is "MicroScan V5" and it has a menu bar with "Page", "Display", "Print", "Access", "Alarm", "File", "Tools", and "Help". A navigation tree on the left lists various options like "Interscan Corporation", "Data Summary", "Tag Data Summary", "Mimic Home", "Recorder Home", "History Files", "Alarm Summary", and "Alarm Status". The main area displays a table of alarm logs with the following columns: Date, Time, Source, User, Index, Message, Value, Comment, and C Date. The table contains 31 records, with the most recent one highlighted in blue.

Date	Time	Source	User	Index	Message	Value	Comment	C Date
27/6/2007	7:35:58	Alarm		T 1	Prep Room	6.717		
27/6/2007	7:35:58	Alarm		T 1	Prep Room	6.717		
27/6/2007	9:45:39	Alarm		T 1	Prep Room	5.390		
27/6/2007	9:45:39	Alarm		T 1	Prep Room	5.390		
28/6/2007	8:26:07	Alarm		T 1	Prep Room	42.294	Cal gas test	29/6/2007
28/6/2007	8:26:07	Alarm		T 1	Prep Room	42.294	Cal gas test	29/6/2007
28/6/2007	14:28:10	Alarm		T 1	Prep Room	7.617		
28/6/2007	14:28:10	Alarm		T 1	Prep Room	7.617		
28/6/2007	14:30:36	Alarm		T 1	Prep Room	1.330		
28/6/2007	16:19:47	Alarm		T 1	Prep Room	5.133		
28/6/2007	16:28:53	Alarm		T 3	Sterilizer 1	2.695		
28/6/2007	16:29:37	Alarm		T 4	Sterilizer 2	2.527		
29/6/2007	9:13:34	Alarm		T 1	Prep Room	1.046		
29/6/2007	9:19:03	Alarm		T 1	Prep Room	5.109		
29/6/2007	9:29:10	Alarm		P 1 L 3	Sterilizer 1 High 2	0.597 ppm		
29/6/2007	9:33:34	Alarm		T 3	Sterilizer 1	1.531		
29/6/2007	9:33:35	Alarm		P 1 L 3	Sterilizer 1 High 1	1.531 ppm		
29/6/2007	9:37:17	Alarm		T 4	Sterilizer 2	1.013		
29/6/2007	9:37:18	Alarm		P 1 L 4	Sterilizer 2 High 1	1.013 ppm		
29/6/2007	9:44:29	Alarm		P 1 L 3	Sterilizer 1 High 1	2.118 ppm		
29/6/2007	9:44:29	Alarm		P 1 L 4	Sterilizer 2 High 1	1.144 ppm		
29/6/2007	9:47:50	Alarm		P 1 L 3	Sterilizer 1 High 1	2.118 ppm		
29/6/2007	9:47:50	Alarm		P 1 L 4	Sterilizer 2 High 1	1.144 ppm		
29/6/2007	9:50:54	Alarm		T 1	Prep Room	5.109		
29/6/2007	9:50:54	Alarm		T 1	Prep Room	5.109		
29/6/2007	9:50:54	Alarm		T 3	Sterilizer 1	2.118		
29/6/2007	9:50:54	Alarm		T 4	Sterilizer 2	1.144		
29/6/2007	9:50:56	Alarm		T 2	Cylinder Room	5.195		
29/6/2007	9:50:56	Alarm		T 2	Cylinder Room	5.195		
29/6/2007	9:50:57	Alarm		P 1 L 2	Cylinder Room High 1	5.195 ppm		
29/6/2007	9:50:57	Alarm		P 1 L 2	Cylinder Room High 2	5.195 ppm		

At the bottom of the window, there are buttons for "File", "Select Log", "Comment", "Print", and "Export". The status bar shows "CDMS: Station 0.2100-A16", "Auto Update" checked, "Records: 31 of 413", and "File Size 127 KB".

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11. Most of the important set-up parameters of Arc-Max<sup>®</sup> are accessible via the “Options” menu on the main screen.



The screenshot shows the ArcMaxII Setup dialog box with the following fields and values:

Field	Value
Company	Interscan Corporation
Contact	Scott Richards
Address 1	P.O. Box 2496
Address 2	Chatsworth
Address 3	CA 91313-2496
Address 4	USA
Phone	1 800 458 6153 USA and Canada
Fax	(818) 341 0642
Email	service@gasdetection.com
User Name	St. Elmo's Hospital

Buttons: Save, Close

12. An extensive help file is available within the Arc-Max<sup>®</sup> program, and can also be found on our website in the Tech Center/Manual Downloads section

<http://www.gasdetection.com/TECH/manual.html>