



SEMI S2 Standard Modifications for Agilent Medalist 3070 and Related Equipment

Application Note

This document describes three items pertaining to the Agilent 3070 and the SEMI S2 standard. Each of them is related to a variance with the SEMI standard.

Agilent 3070 Dual Power-feed System Labels

This procedure does not require an Agilent Customer Engineer. Relates to Clause 11.3.8. Some Agilent 3070 systems have two Power Distribution Units (PDU) and two separate power feeds. Compliance with SEMI S2 requires placing labels near the power disconnect for both of these PDU's. This procedure can be used to make the required labels. This procedure was tested with Microsoft Word 97 and a HP Laserjet printer, but other packages and printers might suffice.

1 Text of Label

Set this warning in Arial 10 point font:
**DANGER, RISK OF ELECTRIC SHOCK
DISCONNECT BOTH SOURCES OF
SUPPLY PRIOR TO SERVICING**

2 Printing the Label

Obtain Yellow Brady Lasertab in an 8.5 x 11 inch sheet. In Word, select "Tools," then "Labels and Envelopes." On the "Labels" tab click "Options."

In the "Product Number" box select "HP 92996 L – Address," then click "OK." Click "Print" to print the labels. You will need to feed the Brady Lasertab by hand.

3 Cutting and Affixing the Labels

Cut the labels from the sheet, peel the backing, and install the labels near the power disconnects on the two PDU's.

Agilent 307X Center of Mass

This item is informational only. Relates To Clause 17.2.2.

The testhead center of mass was measured with a 4-module system with a nearly full load of module cards. There were 4 empty card slots in this system.

With the testhead in the service position, the center of gravity is 851 mm from the outside of the right pod, 217 mm back from the front edge of the pod and 604 mm above the floor (system resting on the casters, not leveling feet).

With the testhead rotated to the down position, the center of gravity is 851 mm from the outside of the right pod, 391 mm back from the front edge of the pod and 429 mm above the floor (system resting on the casters, not leveling feet).

Agilent 307X Emergency Off (EMO)

This procedure must be done by an Agilent Technologies Customer Engineer - Relates To Clause 12.2

As shipped the Agilent 3070 one-button emergency off does not remove power from the controller or the monitor.

This is in variance with the SEMI S2 standard. The system PDU—or main PDU if there are two—can be modified to remove power from the controller when the button is pressed.

CAUTION

Removing power from the controller without shutting it down will damage the filesystem. Current operating systems do not tolerate abrupt power down. Implementing this change places your data and operating system at risk.

To implement this change, contact your Agilent Technologies Customer Engineer and ask for a quote for converting your system or systems. Tell them that you need them to perform the modifications mentioned in this section of this note.



Related Web Resources

For more information visit:
www.agilent.com/see/3070



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