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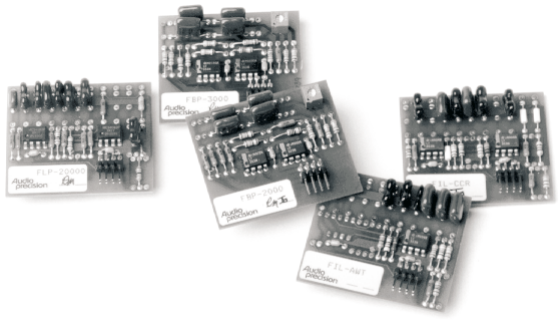
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System One Filter Installation



Introduction

System One includes four sockets (below SN SYS1-20300) or five sockets (SN SYS1-20300 and above) for optional filters. Although normally factory-installed, these optional filters may be changed or added in the field, by following the procedure below.

Many different filters are available from Audio Precision, as described in the Specifications Booklet and other literature. These filters are common for all Audio Precision products, and can be installed in any positions except as noted below. Also available is a blank circuit board to allow user design and construction of custom filters.

Refer to your System One User Manual for further information on optional filters.

Filter Constraints

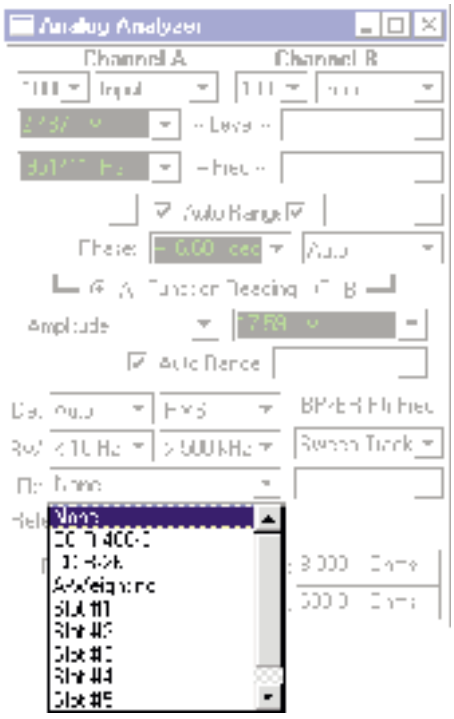
The ANALYZER panel shows filter selections, whether or not filters are actually installed (see figure at right). Selecting an unoccupied filter position will result in erroneous readings.

CCIR – Position #1

If a CCIR weighting filter is used, it must be installed in position #1, nearest the rear of the instrument.

A-Weighting – Position #2

If an A WEIGHTING filter is used, it should be installed in position #2, second from the rear. When any filter (A-weighting or otherwise) is installed in the #2 position, it can be selected either with the #2 or the "A"WTG selection on the panel with identical results.



Analyzer panel showing filter selections

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Audio Precision PN 8211.0035
Rev 1
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FIL-D75B – Position #5

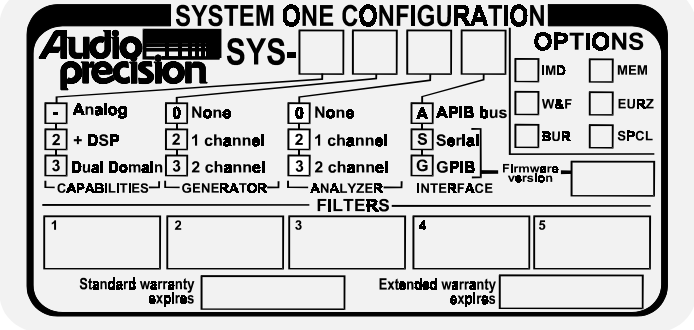
The FIL-D75B filter is used for BTSC stereo TV testing. Its accompanying application requires the filter to be in position #5.

WARNING!

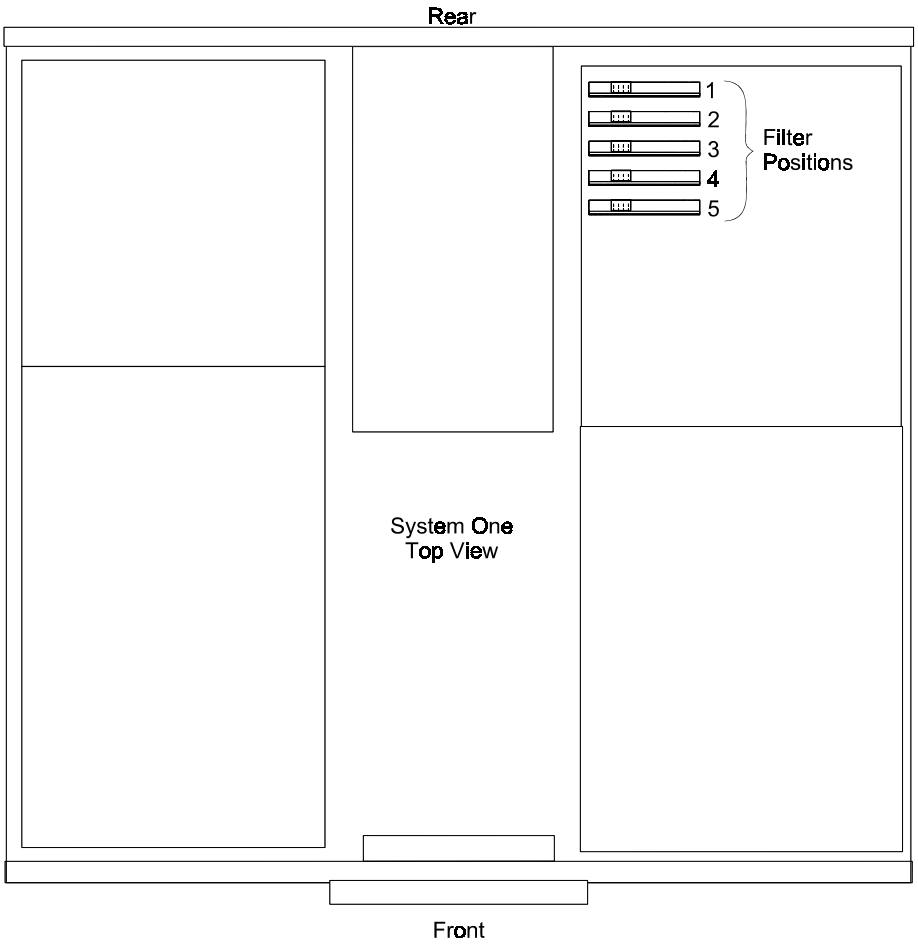
Hazardous voltages exist inside System One whenever it is plugged into an ac power source. Unplug the power cord from the instrument before proceeding.

Installation Procedure

Before proceeding, note the tag on the rear of the instrument (shown below). This tag lists the filters that are already installed, and it should be updated if the filters are changed or added. Also note that the filter positions are numbered starting from the rear of the instrument.



1. Remove the ten screws in the System One top cover, and lift off the cover.



System One top view showing filter locations

2. Refer to the figure at left to locate the filter positions.
3. Install the filter in the desired position. Make sure that all eight pins engage the socket properly.
4. Change the tag on the rear of the instrument to reflect the new filter installation.
5. Reinstall the top cover, making sure the rubber pad is in the correct position to hold down the filters.
6. Test the instrument.

This completes the installation.

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