The New EZ-ANC II

Main features of the EZ-ANC II
- Graphical window interface for parameter selection
- High speed Analog Devices Sharc processor
- Complete system supplied, packaged in a 19-inch rack mount with variable voltage power supply
- Cost effective implementation of active noise cancellation
- Graphical display in time and frequency domains of transfer functions, reference signal, error signals, control signals and filter weights
- Anti-aliasing filters included in A/D converters
- User choice of input and output filters

Advantages of active noise or vibration cancellation with the EZ-ANC
- All features are on-board and the controller will function without a PC once the parameters have been set up through the RS232 communications port to a PC with the special purpose ANC windows
- Hardware designed around the Analog Devices "Sharc" Floating point processor and analog/digital signal conversion technology
- Ease of system implementation using a worthy of algorithms and setups
- No custom computer programming required
- No additional electronics or power supplies required
- Easy to use

Hardware Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Signal Processor</td>
<td>Analog Devices, SHARC ADSP21062 Floating point processor</td>
</tr>
<tr>
<td>Analog Inputs</td>
<td>10 analog input channels, 10 analog output channels</td>
</tr>
<tr>
<td>Analog Outputs</td>
<td>10 analog output channels</td>
</tr>
<tr>
<td>Sampling Rates</td>
<td>Hardware sampling rates are from 5.2kHz to 32kHz, in 10 steps</td>
</tr>
<tr>
<td>Number of Channels</td>
<td>10 analog input channels, 10 analog output channels</td>
</tr>
<tr>
<td>Convergence Coefficient</td>
<td>Depends on the number of channels used.</td>
</tr>
<tr>
<td>Maximum Tap Length for Control Filters</td>
<td>Depends on the number of channels used.</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>10 analog inputs sampled simultaneously, using a 10 analog input channels</td>
</tr>
<tr>
<td>Size</td>
<td>450mm wide x 390mm deep x 90mm high</td>
</tr>
<tr>
<td>Software</td>
<td>All plots can be saved to or loaded from disk</td>
</tr>
<tr>
<td>Frequency range</td>
<td>0Hz to 2kHz</td>
</tr>
<tr>
<td>Generator signal</td>
<td>The generator signal is the summation of the sine and pseudo random generator.</td>
</tr>
</tbody>
</table>
The New EZ-ANC II

STANDALONE ACTIVE NOISE CONTROL SYSTEM and ACTIVE NOISE CONTROL DEVELOPMENT SYSTEM

Main features of the EZ-ANC II

- Graphical windows interface for parameter selection
- High speed Analog Devices Sharc processor
- Complete system supplied, packaged in a 19-inch rack mount with variable voltage power supply
- Cost-effective implementation of active noise cancellation
- Graphical display of time and frequency domains of transfer functions, reference signal, error signals, control signals and filter weights
- Manual control of filters in ADF converters
- User choice of input and output filters

Advantages of active noise or vibration cancellation with the EZ-ANC

- All features are pre-board and the controller will function alone without a PC since the parameters have been set up through the RS232 communications port to a PC with the special purpose ANC windows
- Hardware designed around the Analog Devices "Sharc" floating point processor and analog/to digital conversion technology
- Ease of system configuration using a library of algorithms and setups
- No custom computer programming required
- No additional electronics or power supplies required
- Easy to use

Hardware Specifications

| Digital Signal Processor | Analog Devices, 385MHz SHARC/5650 floating point processor
| Analog Inputs | 8 analog input channels including reference and feedback signals
| Analog Outputs | 8 analog output channels
| Analog Inputs | 4 reference signals (from software generated signals or from external devices)
| Analog Outputs | Acoustically isolated 0-20V output to 1/8 inch or XLR jacks

Specifications subject to change without notice. 2-channel and 6-channel systems also available.