Compact Instruments’ Model STEI Electronic Stethoscope is designed to help isolate the source of excess bearing and machine noise, easily and at low cost.

The Model STEI Stethoscope is an easy-to-use electronic listening device for mechanically generated noise in all types of applications.

Key features of the STEI include:

- PIEZO TRANSDUCER – this solid state sensor ensure long life and superior sensitivity
- EAR DEFENDER TYPE HEADSET – isolates the operator from background noise while concentrating mechanical noise monitored by the STEI’s electronics
- VOLUME CONTROL – allows operator to readily adjust the sensitivity for each application
- LONG BATTERY LIFE – solid state circuitry allows up to 36 hours of continuous operation on a single 9 V battery

Compact Instruments’ Model STEI Electronic Stethoscope Kit includes:

- Quantity 1 STEI Electronic Stethoscope
- Quantity 1 Headset (headphones with integral 1 meter coiled cable)
- Quantity 1 70 mm Steel Probe Attachment
- Quantity 1 300 mm Steel Probe Attachment
- Quantity 1 9 Volt Alkaline Battery
- Quantity 1 Fitted Carry / Storage Case

Inexpensive  
Easy to Use  
Safe to Operate  
Complete Kit  
Carrying Case
STEI SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>30 Hz to 15,000 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Rating</td>
<td>0 – 45 deg. C</td>
</tr>
<tr>
<td>Output Volume</td>
<td>Adjustable via thumb wheel</td>
</tr>
<tr>
<td>Headphones</td>
<td>8 watt cw ear defender pads</td>
</tr>
<tr>
<td>Battery</td>
<td>9 volt alkaline industrial grade</td>
</tr>
<tr>
<td>Operating Time</td>
<td>Typically 20 hours or more</td>
</tr>
<tr>
<td>Dimensions</td>
<td>220 mm x 50 mm x 35 mm</td>
</tr>
<tr>
<td>Probes</td>
<td>70 mm and 300 mm steel</td>
</tr>
<tr>
<td>Power Indicator</td>
<td>Integrated green LED</td>
</tr>
<tr>
<td>Options</td>
<td>None available</td>
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</tbody>
</table>

DESCRIPTION

The STEI Electronic Stethoscope is designed to help locate the source of excess bearing and machine noise easily and at low cost. It is an easy to use listening device for mechanically generated noise in all types of applications.

The Stethoscope can be used to isolate the source of a particular sound. Press the probe against the body of the machine and adjust the volume until the sound is just audible. When the probe is moved to a new position, it is easy to decide by the amplitude of the sound whether the source is now further away from or closer to the source of the noise.

OPERATING INSTRUCTIONS

- Thread the desired length of steel probe into the bushing at the front of the instrument.
- Plug in the headphones into the socket on the rear of the instrument (on new units, an inline connector has been provided in lieu of the socket)
- Press the probe against the body of the machine; ensure that the volume control is at minimum then switch the instrument on using the on/off slide switch.
- Increase the volume control to a comfortable listening level.

For more information about the STEI Electronic Stethoscope or any of our other available condition monitoring products, contact Spectrum Instruments Ltd. (604) 556-0087 or an authorized Spectrum Instruments Ltd. distributor near you.

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