

Effective Yet Inexpensive Tool For Monitoring Mechanical Noise



Compact Instrument's **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.

Inexpensive

Easy to Use

Safe to Operate

Complete Kit

Carrying Case

Key features of the STEI include:

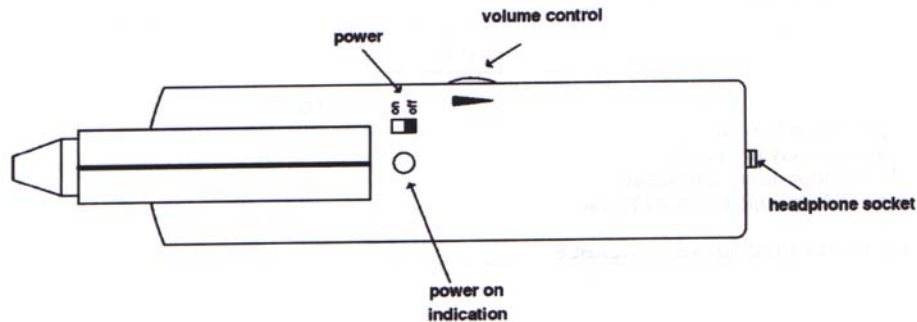
- **PIEZO TRANSDUCER** – this solid state sensor ensure long life and superior sensitivity
- **EAR DEFENDER TYPE HEADSET** – isolates the operator from background noise while concentrating mechanical noise monitored by the STEI's electronics
- **VOLUME CONTROL** – allows operator to readily adjust the 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

STEI SPECIFICATIONS

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



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 instruments.
- 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.