

## Spectrum Model SI-SES-1 Electronic Stethoscope



### Introduction

The **SI-SES-1** is an easy to use electronic stethoscope designed to help locate the source of excess bearing and machine noise. It is a simple and low cost solution which could save countless hours of investigative and diagnostics work. It is an ideal listening device for finding the origin of mechanically generated noise in all types of applications. It has energy-saving, automatic shut-off function and an intelligent warning system to indicate low power.

The entire body is designed in a soft curve form fit for the human palm so as to be used comfortably for long periods of time.

- **Patented product**----- hearing protecting (limiting sound volume less than the international environmental noise standard).
- **Effective energy-saving**----- 4 x #7 battery cells provides 38 hours continuous operation.
- **Intelligent lowpower warning**-----when battery cells are about to be exhausted, the indicator flashes so as to remind user to replace them.
- **Human naturalized design**----- the whole body is designed in a soft curve form fit to human palm so as to be used comfortably for long periods of time.
- **High-quality earphones** ----- provide excellent isolation from ambient noise.

## Field Applications:

1. Capable of rapidly detecting mechanical noise from diesel engines, cylinder and vehicle, and accurately isolating the failing component.
2. Capable of detecting un-normal noise from driven engine, motor, etc.
3. Capable of monitoring working states of pipelines in different applications, so as to insure the pipeline to be work normally.
4. Applicable to many different chemical industries. Monitoring the flowing and plugged state in different pipelines.
5. Capable of monitoring abnormal noise in boilers and reactors.
6. Capable of distinguishing rapidly rotating state of different bearings.
7. Applicable in the marine industry for monitoring the working state of many shipboard processes.
8. Applicable in maintenance of military and search and rescue vehicles.
9. Capable of inspection and trouble-shooting domestic electric appliances.

## Specification :

Frequency Range:	30Hz – 15KHz
Working Temperature:	-10°C ~ +55°C
Output Volume:	Digitally adjustable in 32 steps
Power:	4 x AAA cells
Battery Life:	Up to 60 days
Dimensions:	220mm x 40mm x 35mm
Probe Lengths:	1 x 284mm, and 1 x 70mm
Warranty:	12 mths-FOB factory (n.i. batteries)

