

## 1. Sound Level Sensor

This dual range sensor accurately measures both sounds pressure level in decibels (dBA) or waveform (mV). To make the measurements meaningful to learners, the sensor has been designed to approximate the normal human ear in the range and intensity that it 'hears' sounds.

Ranges:

- 40 to 110dBA
- Waveform  $\pm 2000\text{mV}$

Applications include:

- Sound frequency
- Speed of sound
- Sound insulation
- Sound decay
- Air resonance
- Ear design
- Animal activity studies
- Noise pollution indoors and outdoors
- Sound waves: monitoring the effect of altering frequency and amplitude, waveforms of musical instruments, etc.

Code	Pack	Price
LOG3252	Each	£79.00

## 2. Stethoscope Sensor Pack

The pack contains a SmartQ stethoscope sensor and a conventional binaural stethoscope (to help students to locate their heart manually). The stethoscope sensor allows you to record the heart sounds and the echoes of the beat in the circulation.

With the addition of an ECG sensor and a heart rate sensor a full physiology of the heart cycle can be recorded and analysed.

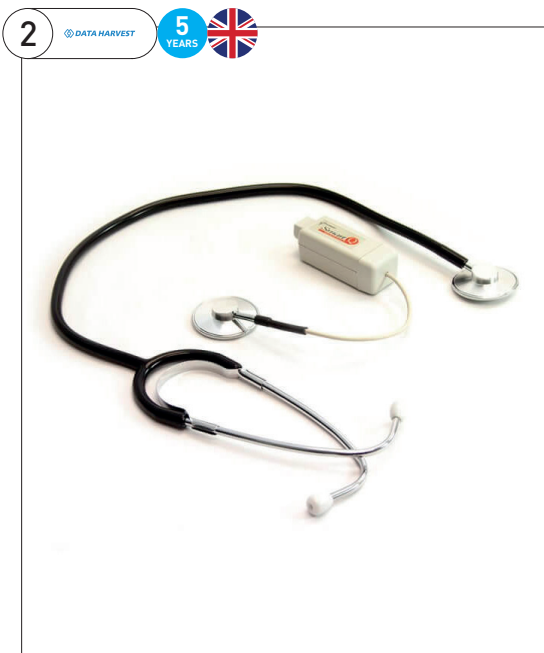
Ranges:

- Stethoscope  $\pm 100\text{mV}$
- Stethoscope  $F^* \pm 100\text{mV}$
- Sound  $\pm 100\text{mV}$
- Sound  $F^* \pm 100\text{mV}$

Applications include:

- Sound level changes in a heartbeat

Code	Pack	Price
LOG3261	Each	£59.03



CHEMICALS

BIOLOGY

CHEMISTRY

DATALOGGING

PHYSICS

A

B

C

D

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F

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