RM-204 Respiration Monitor

Overview

The RM-204 Respiration Monitor is a transducer used to measure the relative depth and frequency of breathing in a human subject during experiments where it is impractical to monitor breathing with a spirometer.

For example, the use of a spirometer to monitor breathing during a psychological test could be a distraction that affects the results of the test. If the subject is not familiar or comfortable with breathing through a spirometer, the subject cannot focus on completing the test. The RM-204 permits breathing rates and relative amplitudes to be measured easily, accurately, and unobtrusively while the subject performs another task.

Photo

Specifications

Calibration	N/A
Default scaling Value	N/A

Measurement Instructions

1. Take the RM-204 and hold the belt up, it should be orientated so that the pouch velcroed to the belt is facing the subject. Place the sensor so that it is resting on the subjects' sternum and wrap the belt around the subject. The belt should be tight enough to resist falling, but not so tight as to restrict the subjects' ability to breathe comfortably.

2. Connect the DIN8 connector of the RM-204 to the iWorx Amplifier or Recorder.

4. Open the recording software, select the channel that the RM-204 is plugged into.
5. Record and monitor the subjects breathing. As the subject breathes in the voltage should rise, and as the subject breathes out the voltage should fall.
6. Clear the chart and breathe in and exhale 3 times, so three peaks are shown on the chart.

*Note: The signal may be inverted.

Intended Usage

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