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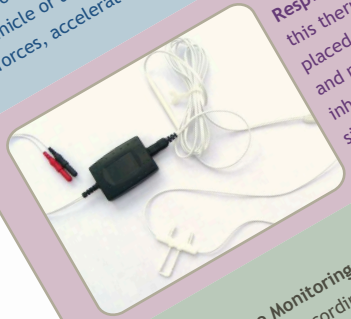
GUGER TECHNOLOGIES

Sense the world ...

Temperature
20°C - 45°C
for skin temperature
accuracy: 0.2°C
the sensor is ready
calibrated and provides an
output voltage of 0...200 mV

Acceleration
3-axes, +/- 3 g
acceleration sensor
can be applied on the
subject's body or directly in a
simulator, vehicle or airplane to
monitor g-forces, acceleration and vibration.

Respiration Airflow
this thermistor sensor is
placed in front of nose and mouth
and measures changes of temperature of
inhaled and exhaled air. the resulting respiration
signal is very rubust against movement artifacts.



Respiration Effort
piezo-electric crystal sensor in a robust belt system.
can be used to record chest and abdominal
respiration waveforms independently.
our respiration sensors connect
directly to amplifier inputs.

Continuous Non-Invasive Blood Pressure Monitoring
g.CNAP is a world-leading system for non-invasive BP recording
and can be used as a stand-alone system as well. the analog
output signal (continuous BP in mmHg) can be
recorded together with other parameters
and biosignals with g.tec systems.

... with special sensors for g.tec's biosignal acquisition systems!

g.tec's biosignal amplifiers provide high quality electrophysiological signals. To record other physical or electrical signals simultaneously a variety of special sensors is available.

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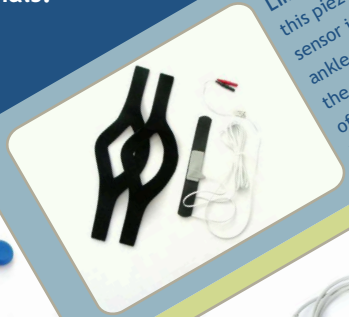
Snoring
piezo-electric snoring sensor for sleep research. picks up tracheal sounds. to be placed on the neck of the patient.

Limb Movements
this piezo-electric sensor is placed on the ankle to detect movements of the feet during sleep. for investigation of restless leg syndrom (RLS) and periodic limb movements (PLM).



Oxygen Saturation
two light sources with different wave lengths are used to measure the saturation of oxygen in the blood (SpO2). the sensor can be placed on the index finger. a calibrated output signal is provided.

Pulse
compact and light-weighted plethysmographic pulse sensor. earlobe or finger transducers available. provides a clear analog pulse wave signal (e.g. to be recorded together with the ECG)

Galvanic Skin Response (GSR)
also called EDA (electro-dermal activity) or skin conductance. two small electrodes are used preferably on the fingers without any gel. the isolated circuit guarantees no interference with other electrodes on the body. individual baseline adjustment. +1µS (micro MHO) calibration button.

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