

MSSOS

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GOAL

WARMING UP

HEARTRATE

TEMPERATURE

EMG SIGNAL

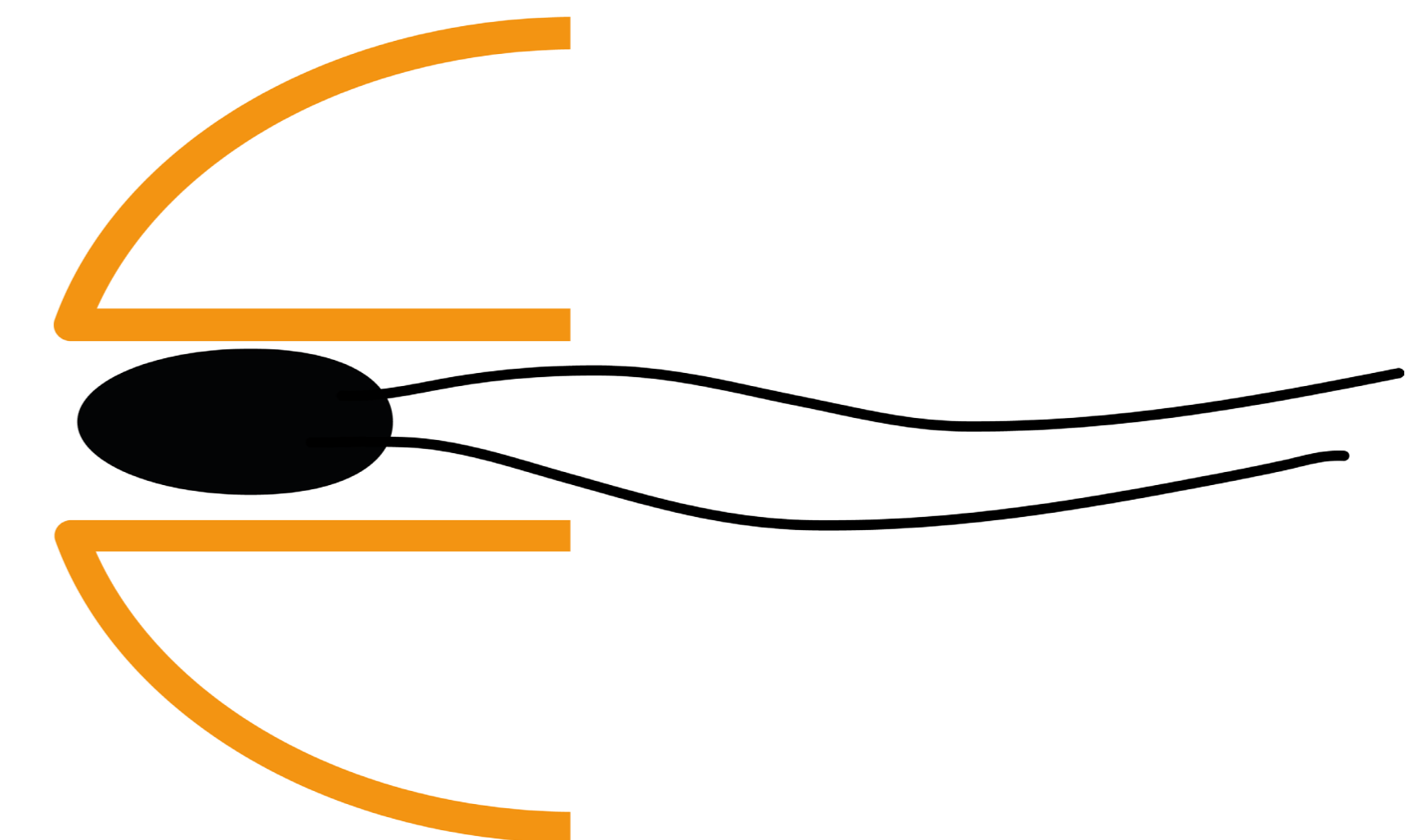
SENSORS & PLACEMENT

TEMPRATURE SENSOR

NTC Thermistor

In-Ear Placement

SOURCE: NL.RS-ONLINE.COM



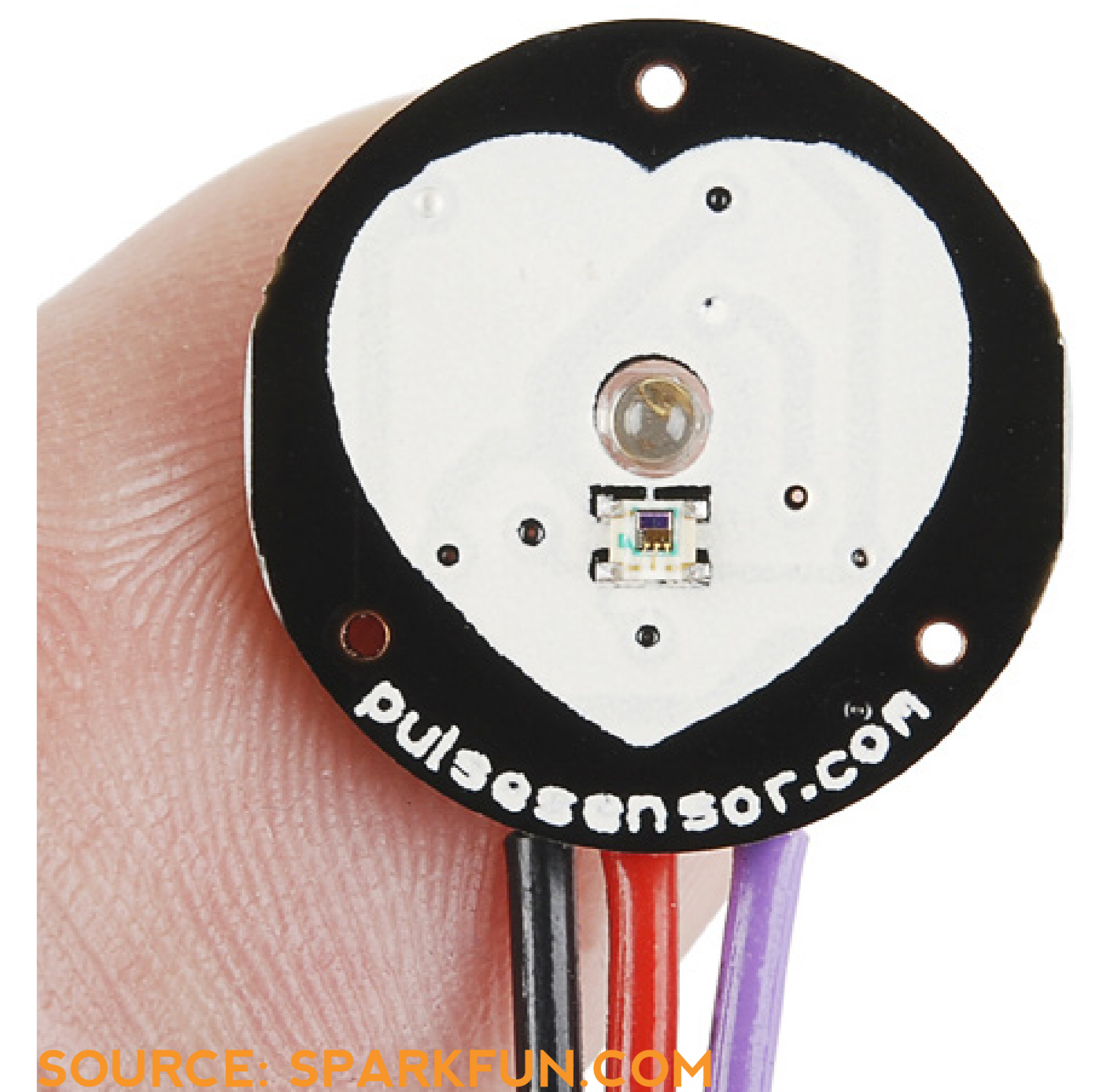
SENSORS & PLACEMENT

HEARTRATE SENSOR

Pulse Sensor

Optical

Placement on finger



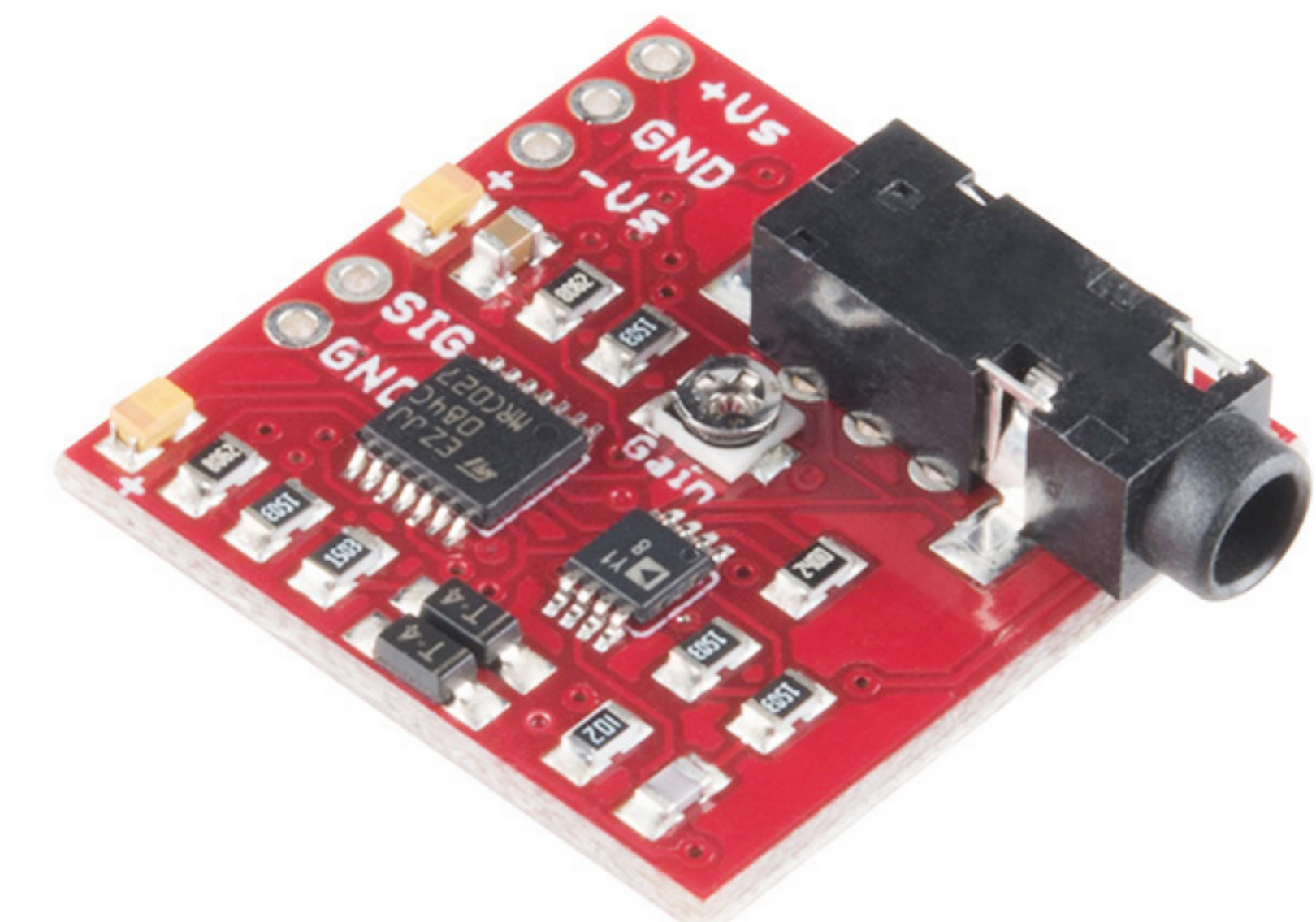
SENSORS & PLACEMENT

EMG SENSOR

Muscle Sensor V3

senses EMG signals

Adhevisive Electrodes



SOURCE: SPARKFUN.COM



SOURCE: SPARKFUN.COM

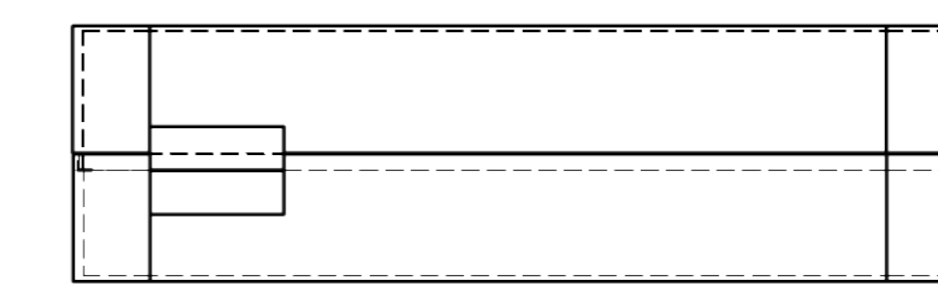
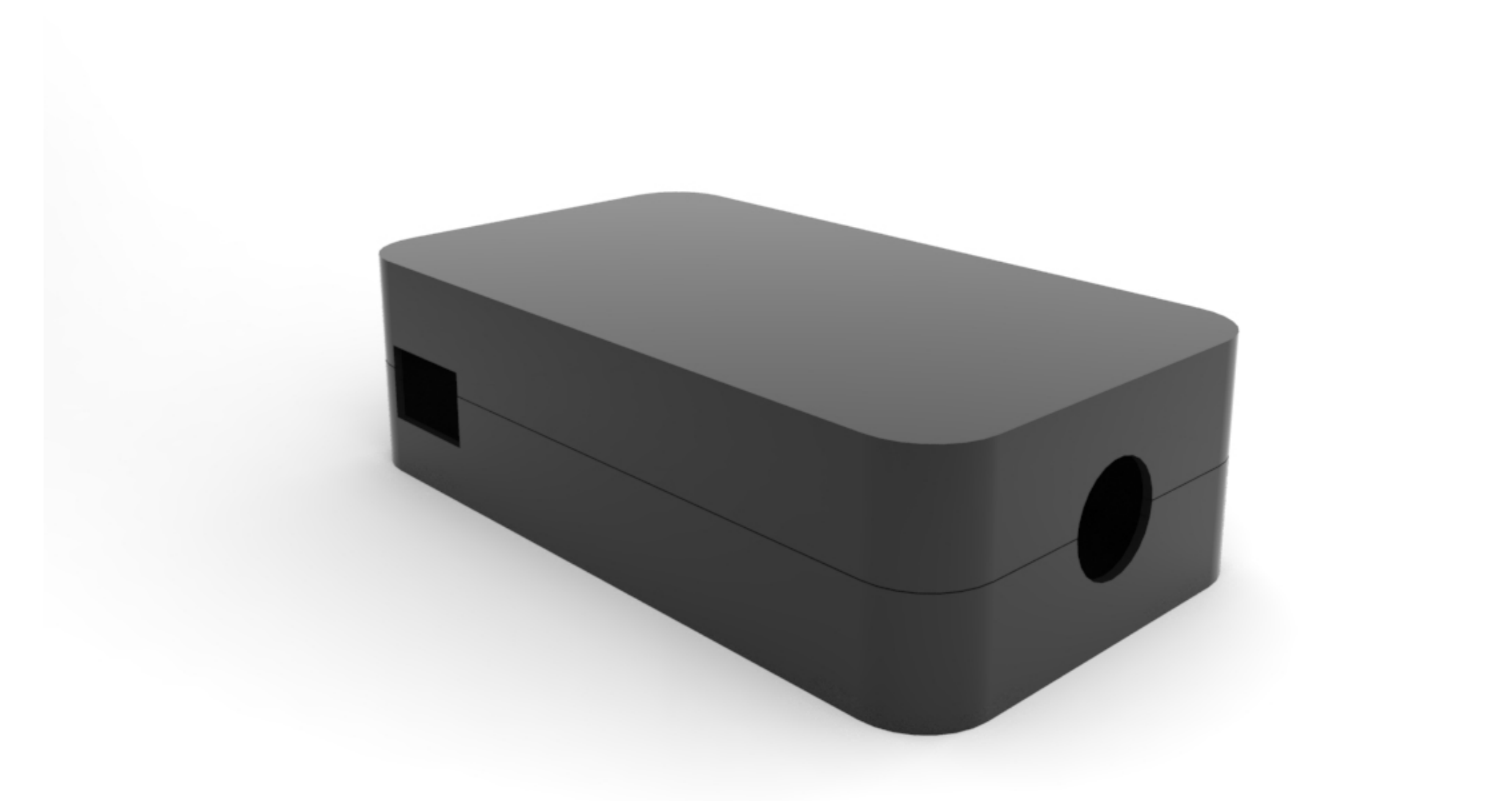
SENSORS & PLACEMENT

PLACEMENT OTHER COMPONENTS

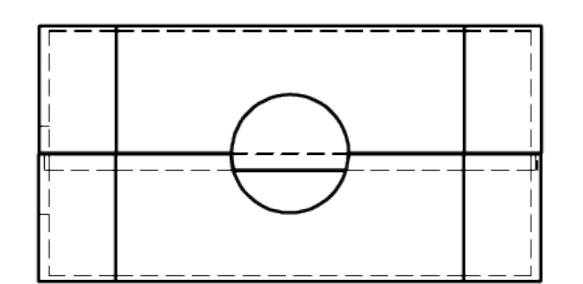
Forearm

Phone-sportsband

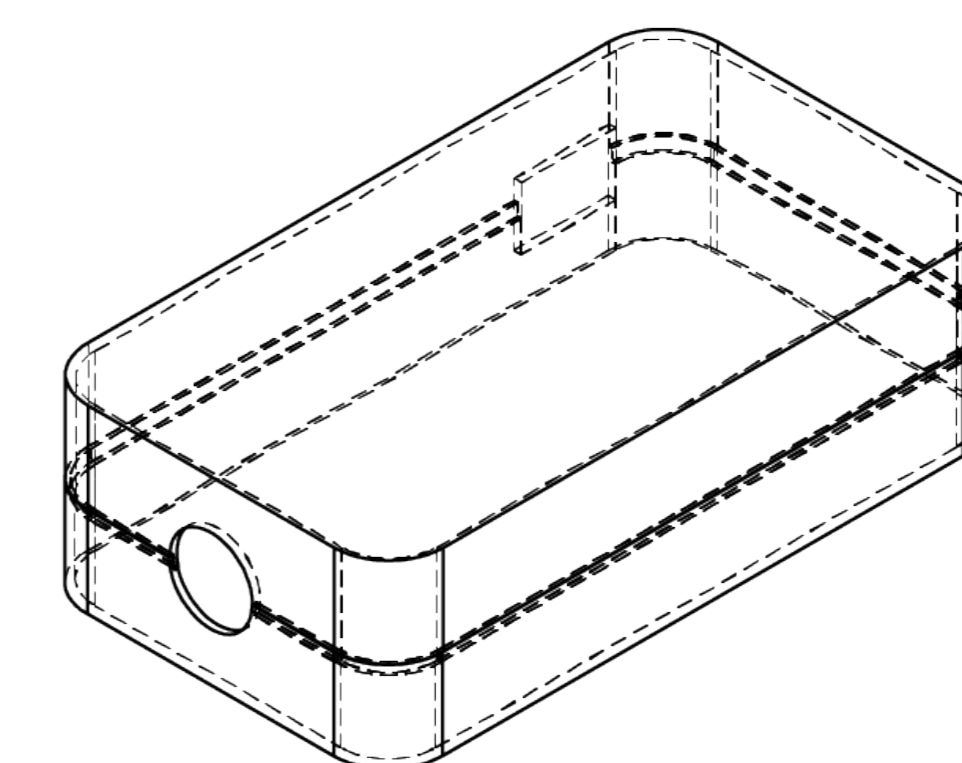
3D printed casing



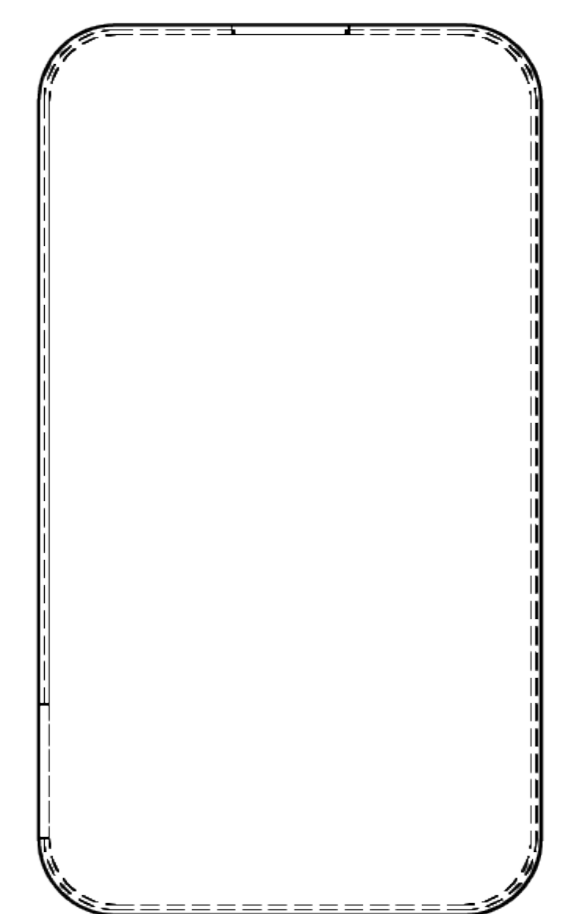
Left



Front

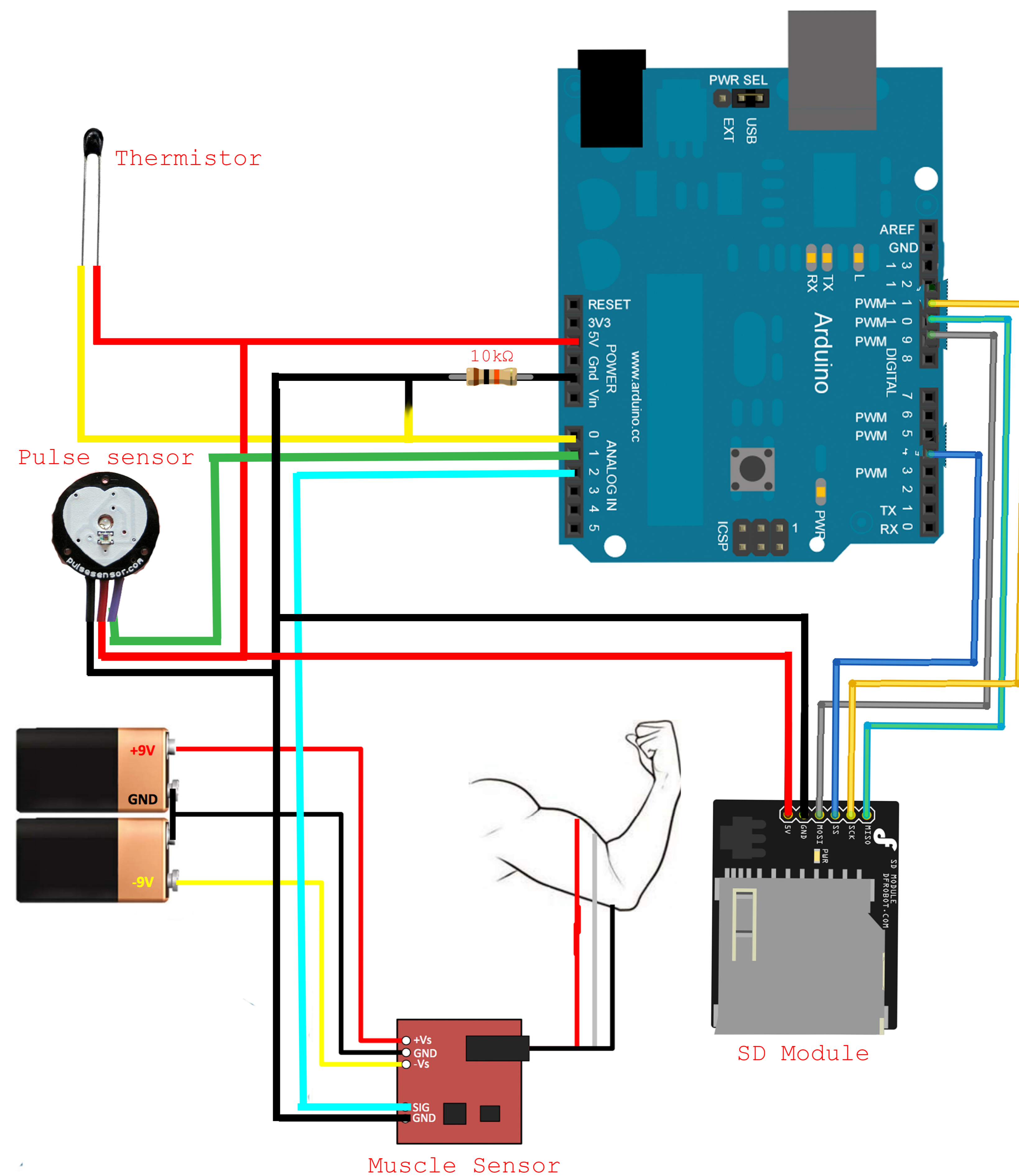


Front Right Top



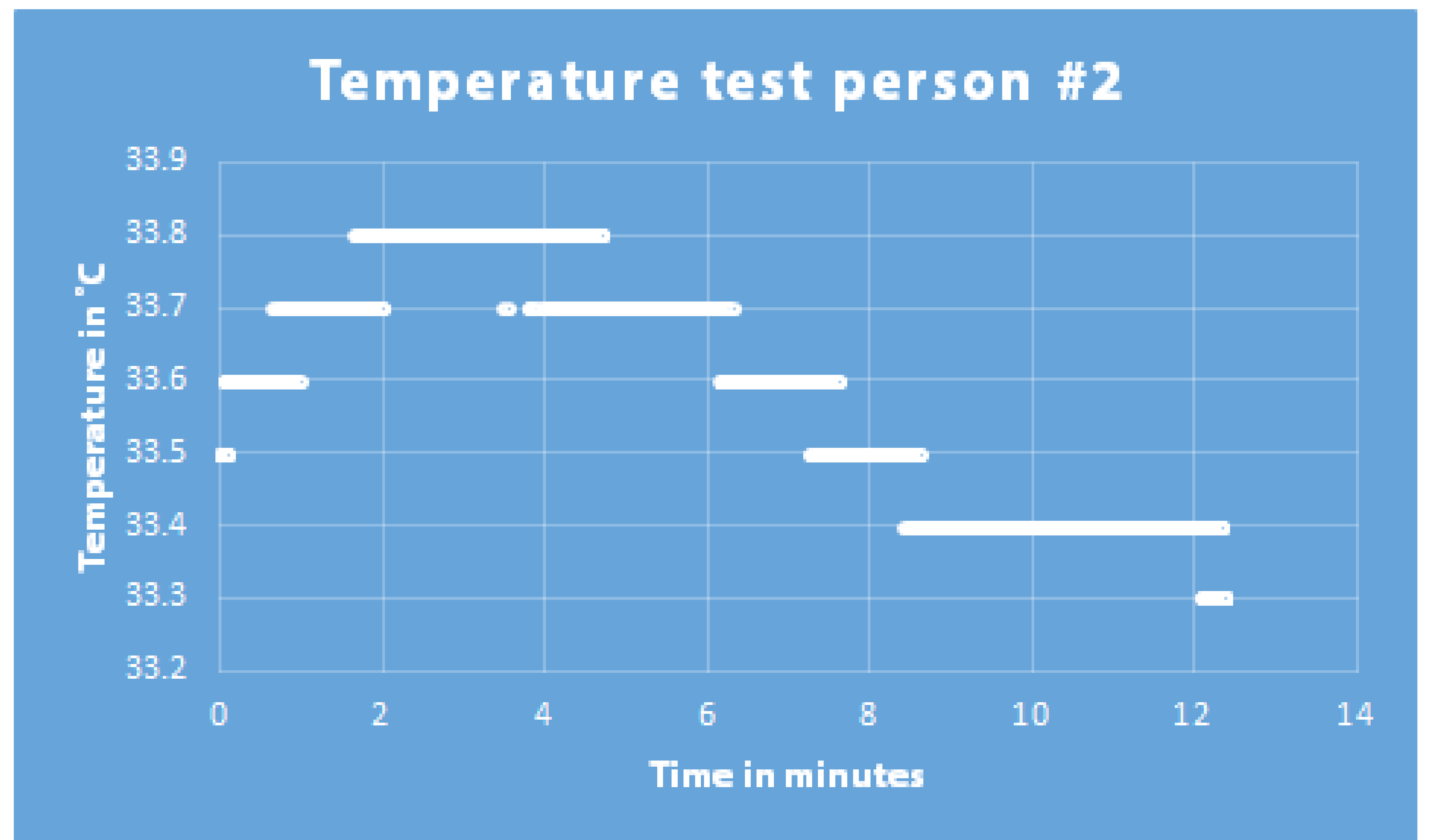
Top

ELECTRONIC CIRCUIT



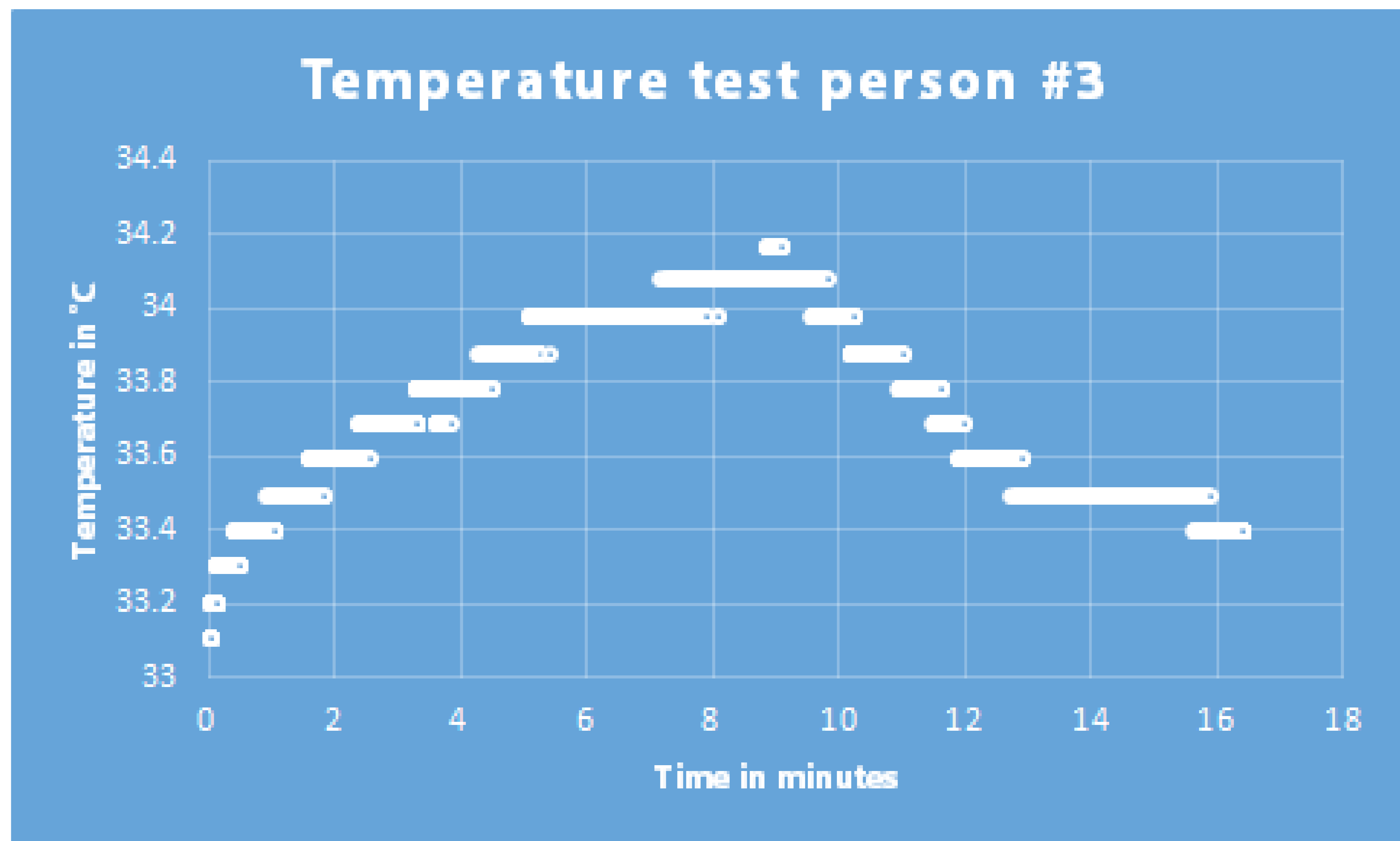
DATA ANALYSIS

THERMISTOR



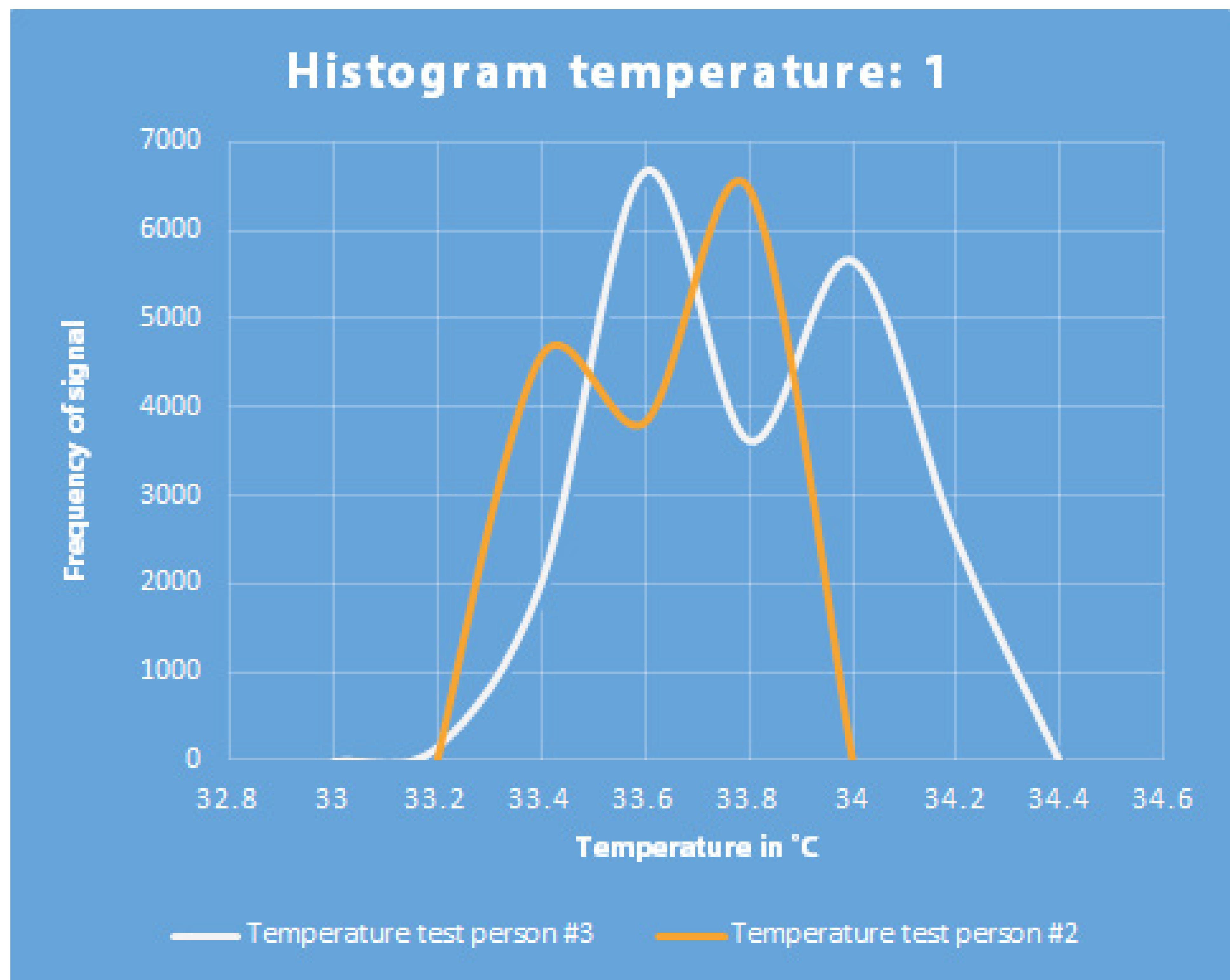
DATA ANALYSIS

THERMISTOR



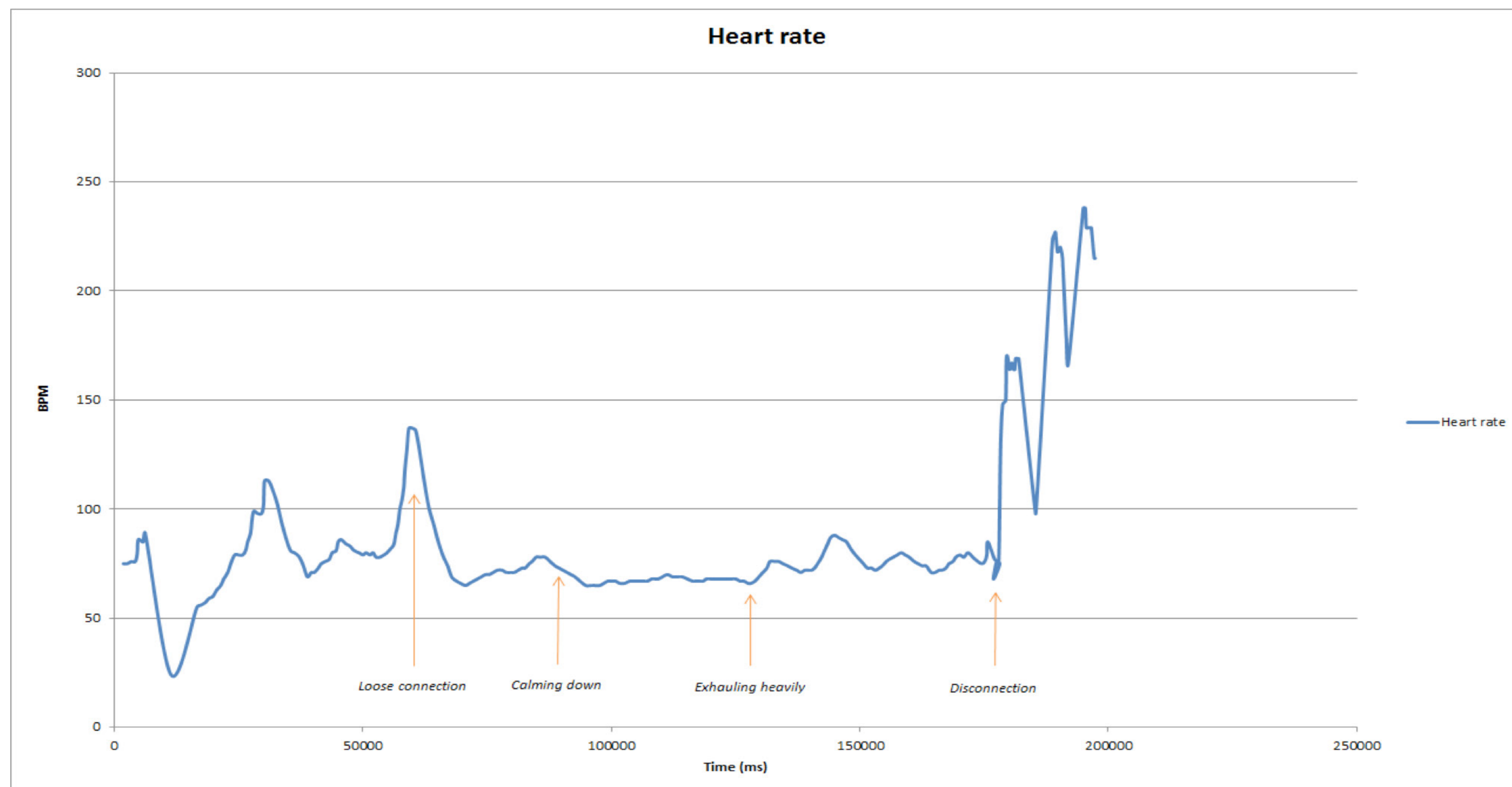
DATA ANALYSIS

THERMISTOR



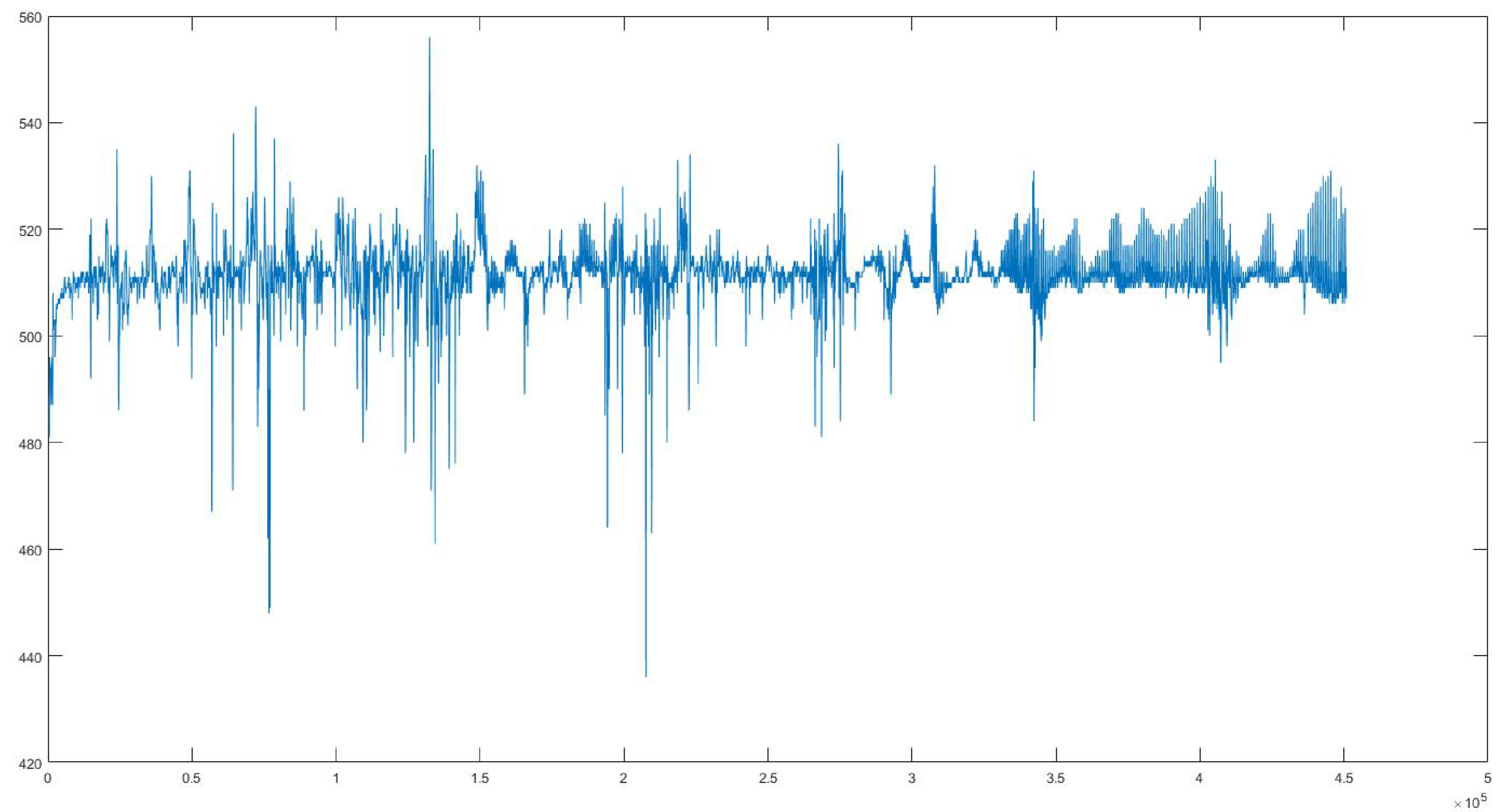
DATA ANALYSIS

HEARTRATE SENSOR TEST



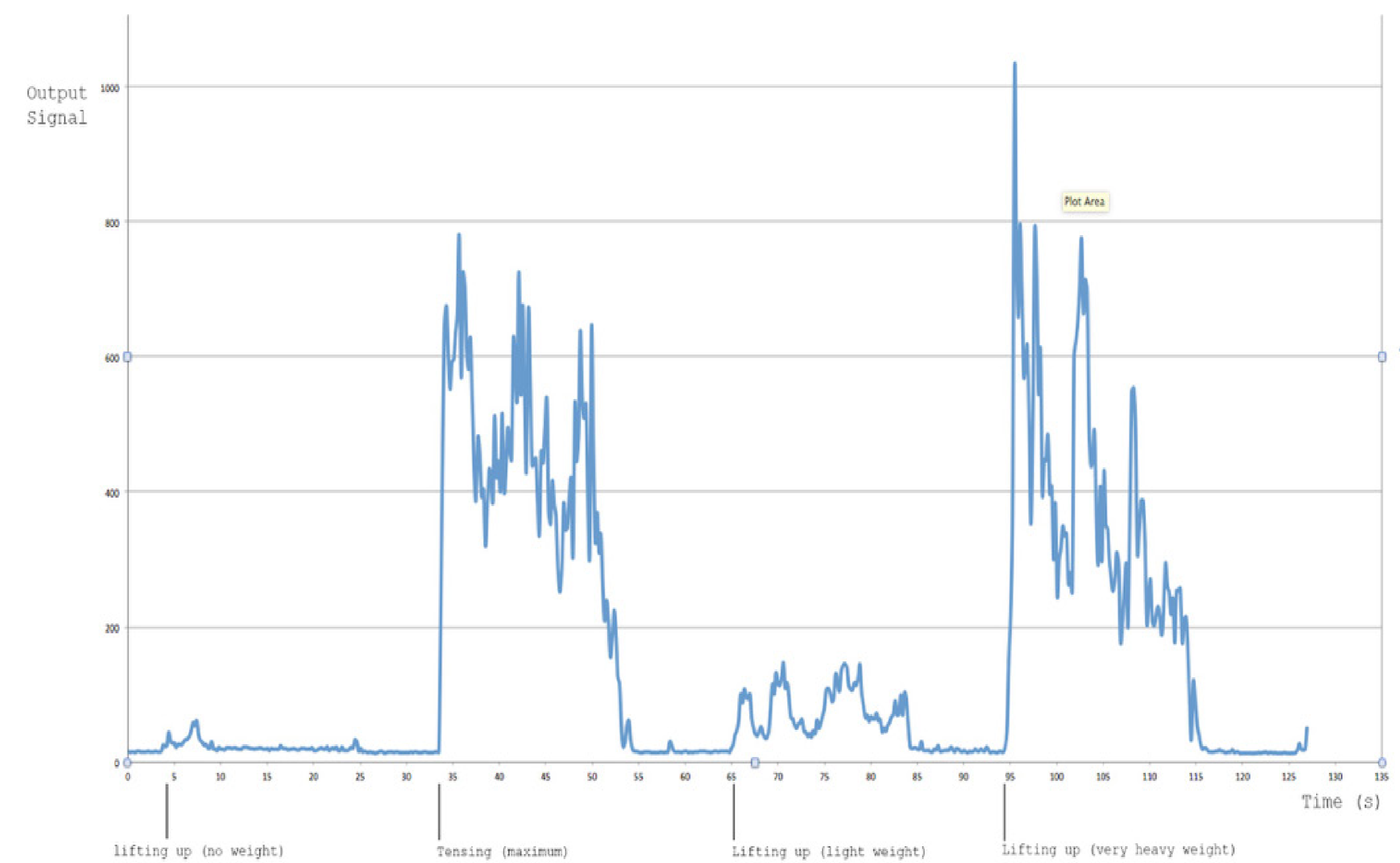
DATA ANALYSIS

HEARTRATE SENSOR TEST



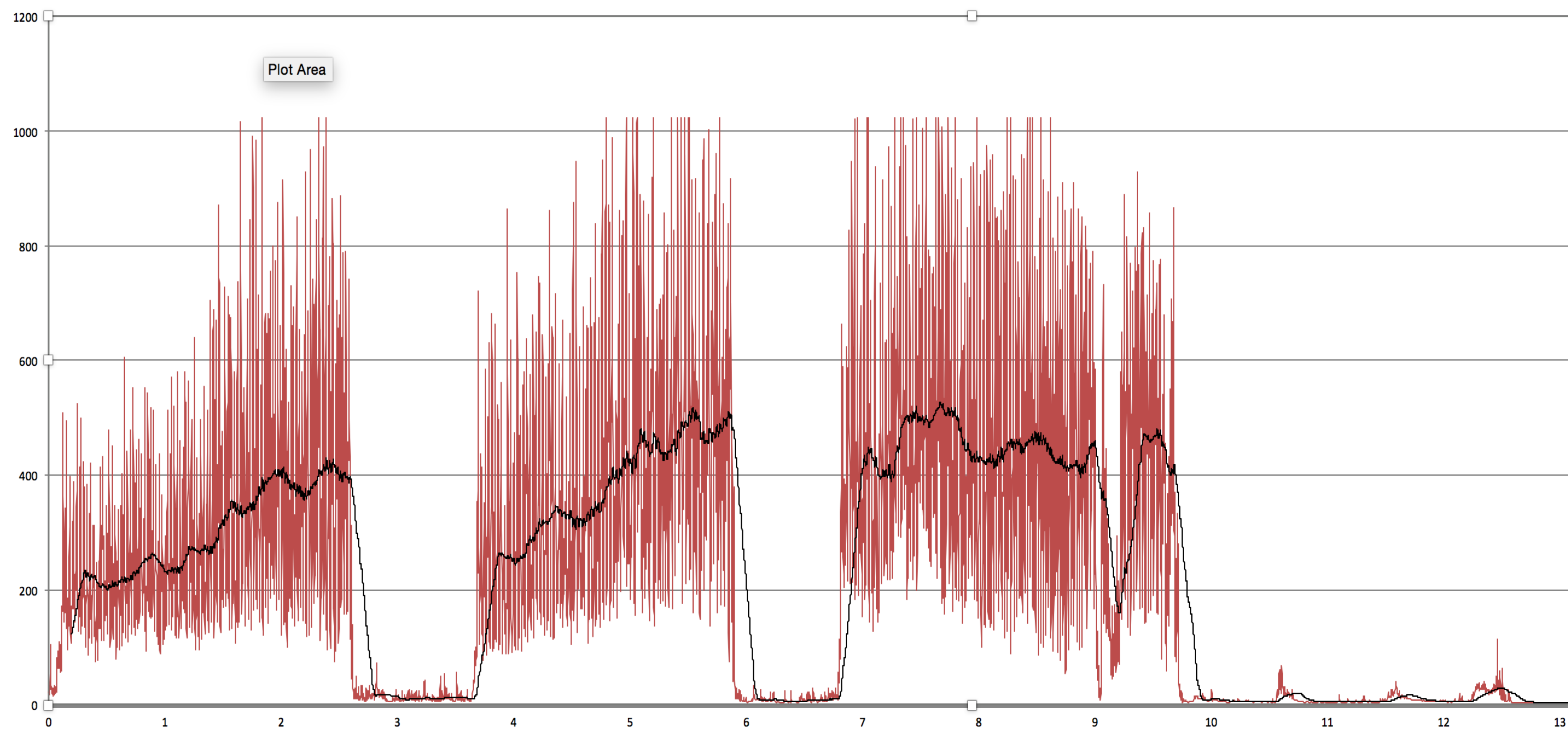
DATA ANALYSIS

EMG SENSOR TEST



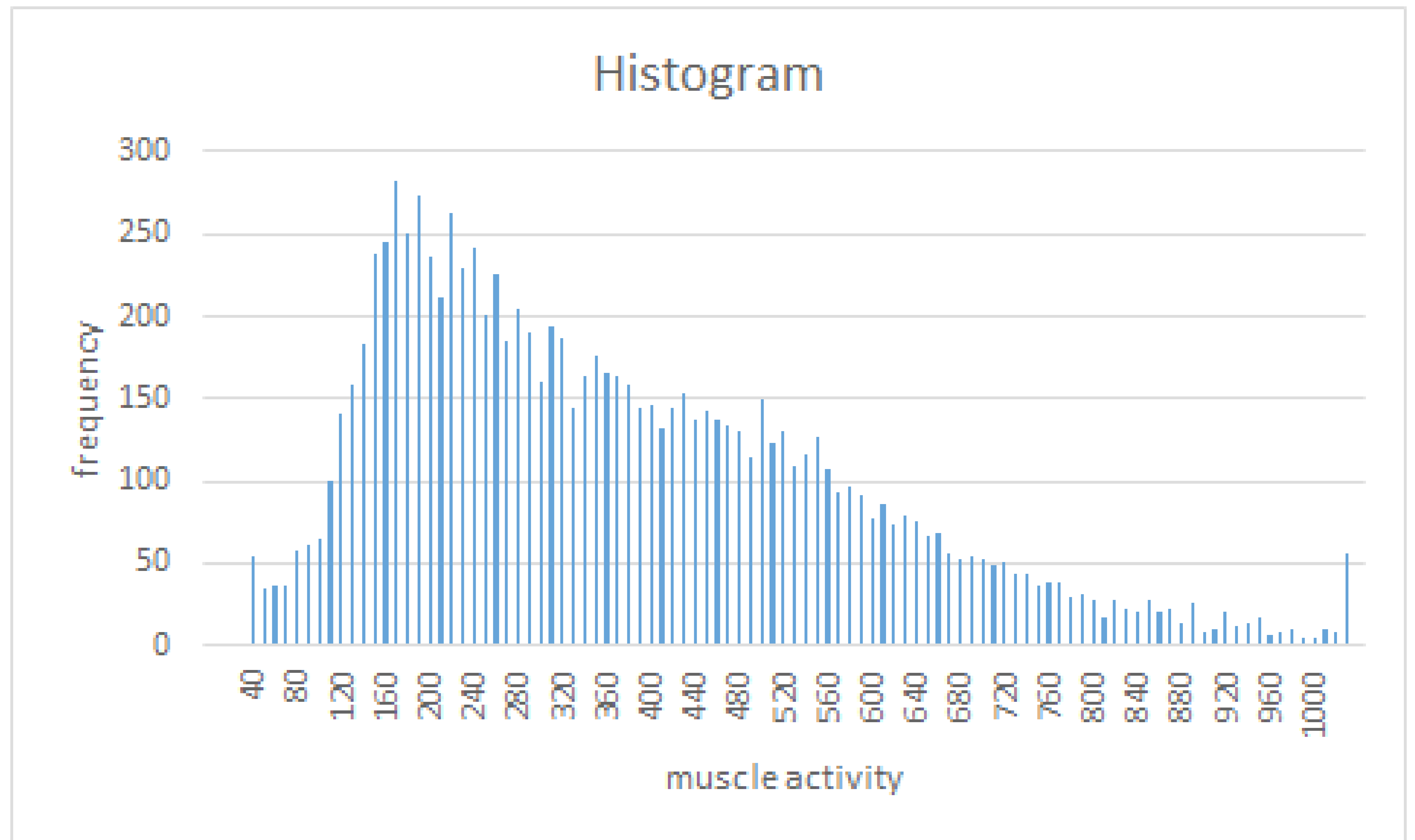
DATA ANALYSIS

EMG SENSOR



DATA ANALYSIS

EMG SENSOR HISTOGRAM



APPLICATIONS

Lower number injuries

Achieving higher results

**Combination with
smartphone application**

Haptic Feedback

**Great for beginners and
semi-advanced**