

Department Psychophysiological Research Laboratory – Equipment
(updated 07/10/2018)

Biopac MP36R: 1 unit

-- Stationary tethered device that collects up to 4 channels of physiological data input (e.g., ECG, GSR, EMG, EEG). Data recorded on accompanying computer.

- SS2LB Electrode DSN Lead Split (2)
- SS30L BSL Stethoscope (1)
- OUT1A Headphones for Output (1)
- SS19LA BSL BP Cuff (without gauge) (1)
- CBLUSB Cable, USB A to USB B 10ft. (1)
- MEC110C 3M Mod Ext Cbl, C-series TP (1)
- SS4LA BSL Pulse Plethymogram Xdcr (1)
- EL654 4mm Ag-AgCl reusable snap electrode (4)
- SS10L Push Button Hand Switch, BSL (1)
- SS57L Eda w/electrode pinch leads (1)
- SS2LB lead set – shielded mp3x/4x (1)
- SS5LB BSL respiratory effort xdcr (1)
- Pearstone USBAFAM39A (1)

BioNomadix MP150: 1 unit

-- Wireless untethered device that collects several channels of physiological data input (e.g., ECG, GSR, PPG, EMG, EEG). Data transmitted via Bluetooth (up to 20 meters range) and recorded on accompanying computer.

- BN-EL-LEAD3 Electro Lead 3x45cm (1)
- BN-RESP-XDCR Respiration Xdcr (1)
- BN-PPGED PPG and EDA System (1)
- BN-EDA-LEAD2 EDA Electrode Lead Set (1)
- BN-EMG2 2Ch EMG System (1)
- BN-EL30-LEAD3 Electro Lead 3x30cm (1)
- BN-EL30-LEAD2 Electro Lead 2x30cm (1)
- EL654 4mm Ag-AgCl Reuseable Snap Ele (6)
- ADD204 Adhesive disks for 4mm electrd (1)
- BN-EEG2 2Ch EEG System (2)
- BN-EEGCAP-SYS 10/20 EEG Cap Sys (1)
- BN-ADAPT-TP3 Touchproof Lead 3 (2)
- BN-ADAPT-TP2 Touchproof Lead 2 (2)
- EL-CHECK Electrode impedance Checker (1)

BioRadio Ambulatory Device: 1 unit

-- Electrode-based wearable device with capability to record 8-channels of physiological data input (e.g., ECG, EMG, GSR, EEG, SpO2). Bluetooth online monitoring/recording OR local data storage (8GB, 8 hour battery life).

Oculus Rift Virtual Reality System: 1 device

- Virtual reality headset with 2 sensors and touch controllers.
- Dell Alienware Aurora computer (Intel Core i5 8400; 16GB, 2666MHz, DDR4 up to 64GB; NVIDIA GeForce GTX 1060 with 6GB GDDR5)

Polar H10 Heart Rate Sensor and Fitness Tracker: 2 devices

- Thorax-band wearable device compatible with iOS and Android. Records heart rate activity, calories, fat-burned.

Fitbit Flex 2: 6 devices

- Wristband wearable device compatible with iOS and Android. Records fitness indicators and sleep.

Additional hardware available for use in student research:

- 2 Apple iPad mini 4 (128GB)
- 2 Dell Latitude 7480 BTX laptops (14in screen)

Software:

- Acknowledge version 5.1 = 6 USB dongles
- Biopac Student Lab Pro version X.X