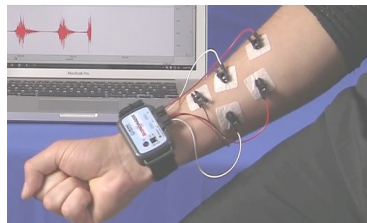
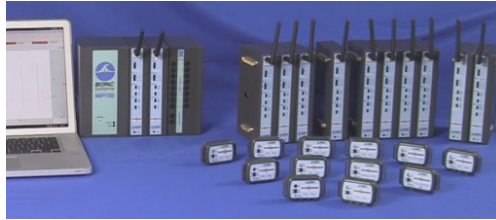




Powerful wireless, wearable physiology monitoring devices for life science research



***NEW!* BioNomadix from BIOPAC**

- Full-bandwidth, high-quality data for a wide range of signals
- Comfortable for the subject and empowering for the researcher
- All the benefits of a wireless solution with the signal quality & integrity of a wired system
- Uncompromised wireless physiological subject monitoring

BIOPAC proudly introduces the new BioNomadix series of wireless, wearable physiology monitoring devices for life science research. BioNomadix noninvasively record high quality data while comfortably allowing subjects to move freely in natural indoor environments.

Developed and manufactured by BIOPAC Systems Inc., a leader in life science data acquisition and analysis, the BioNomadix line covers a wide range of physiology signals. BioNomadix devices use digital transmission and short leads placed close to the signal source to provide excellent signal quality. Amplifiers provide the full bandwidth and are suitable for applications such as heart rate variability.

ECG	EMG	EGG	Respiration	Electrodermal Activity	Accelerometry
EEG	EOG	Temperature	Respiration & Pulse	Cardiac Output	Gyro

BioNomadix are typically dual-channel units, offering either two of the same signal or a combination of signals. BioNomadix are configured for specific signal types. You don't have to adjust settings on the hardware or software for high quality data. Use with an MP Research System or 3rd-party data acquisition systems.

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A BioNomadix device consists of two parts, a wireless transmitter that is worn by the subject to amplify and send the physiological data, and a receiver module. The transmitter unit uses short leads and electrodes or transducers for easy placement at any point of interest and easily attaches to the body with soft Velcro® straps included with the system.

BioNomadix Dual-Signal Transmitter and Receiver Sets

Paired transmitter/receiver sets include a strap and a battery charger. Transmission range ~10 meters, line of sight. Full transmitter charge typically provides 72 hours of wireless operation; batteries run 500 full charge/discharge cycles—or 35,000 hours!

- | | |
|--|------------|
| BioNomadix 2-Channel ECG System | BN-ECG2 |
| BioNomadix 2-Channel EEG System | BN-EEG2 |
| BioNomadix 2-Channel EGG System | BN-EGG2 |
| BioNomadix 2-Channel EMG System | BN-EMG2 |
| BioNomadix 2-Channel EOG System | BN-EOG2 |
| BioNomadix 2-Channel Respiration System | BN-RSP2 |
| BioNomadix RSP & ECG System | BN-RSPEC |
| BioNomadix PPG and EDA System | BN-PPGED |
| BioNomadix 2-Channel Skin Temp System | BN-SKT2 |
| BioNomadix Accelerometer System | BN-ACCL3 |
| BioNomadix Gyro System | BN-GYRO |
| << Q1 2011: BioNomadix Cardiac Output System | BN-NICO >> |

BIO NOMADIX	Transmitter			Receiver Filter (Hz) Low Pass
	Filters (Hz)		Gain	
	High Pass	Low Pass		
BN-ECG2	0.05	150	250	500
BN-EEG2	0.5	100	1250	500
BN-EGG2	0.005	1	250	500
BN-EMG2	5	500	250	500
BN-EOG2	0.005	100	250	500
BN-RSP2	DC	10	1	500
BN-RSPEC	DC / 0.05	10,150	1	500
BN-PPGED	DC	10	1	500
BN-SKT2	DC	10	1	500
BN-ACCL3	DC / DC / DC	Variable	1	500
BN-GYRO	DC / DC	Variable	1	500
BN-NICO Z, dZ/dt	DC / DC	100,100	1	500

AcqKnowledge can perform additional filtering in real time.

BioNomadix Electrode Lead Sets

- | | |
|---------------------------------------|---------------|
| Electrode Lead 2 x 15cm to BioNomadix | BN-EL15-LEAD2 |
| Electrode Lead 3 x 15cm to BioNomadix | BN-EL15-LEAD3 |
| Electrode Lead 2 x 30cm to BioNomadix | BN-EL30-LEAD2 |
| Electrode Lead 3 x 30cm to BioNomadix | BN-EL30-LEAD3 |
| Electrode Lead 2 x 45cm to BioNomadix | BN-EL45-LEAD2 |
| Electrode Lead 3 x 45cm to BioNomadix | BN-EL45-LEAD3 |
| EDA Electrode Lead to BN-PPGED | BN-EDA-LEAD2 |

BioNomadix Transducers

- | | |
|--|----------------|
| Pulse Transducer for BioNomadix | BN-PULSE-XDCR |
| Respiration Transducer for BioNomadix | BN-RESP-XDCR |
| Skin Temp Skin Transducer for BioNomadix | BN-TEMP-A-XDCR |
| Fast-Response Temp Transducer for BioNomadix | BN-TEMP-B-XDCR |

BioNomadix Accessories

Shirts

- | | |
|--------------------------------|-------------|
| BioNomadix Shirt – Extra small | BN-SHIRT-XS |
| BioNomadix Shirt – Small | BN-SHIRT-S |
| BioNomadix Shirt – Medium | BN-SHIRT-M |
| BioNomadix Shirt – Large | BN-SHIRT-L |
| BioNomadix Shirt – Extra Large | BN-SHIRT-XL |

Recommended for comfort and mounting flexibility when two or more transmitters will be attached...shirts are comfortable stretch mesh with 22 pockets, 4 zippers, 4 strap loops!

Straps

- | | | |
|-------------------------|-----------------------------------|---------------|
| BioNomadix Strap 20 cm | <i>small or medium wrist</i> | RXSTRAPBN-20 |
| BioNomadix Strap 33 cm | <i>large or extra-large wrist</i> | RXSTRAPBN-33 |
| BioNomadix Strap 76 cm | <i>leg, neck, or head</i> | RXSTRAPBN-76 |
| BioNomadix Strap 137 cm | <i>torso</i> | RXSTRAPBN-137 |

BioNomadix is the next generation of quality BIOPAC research systems!