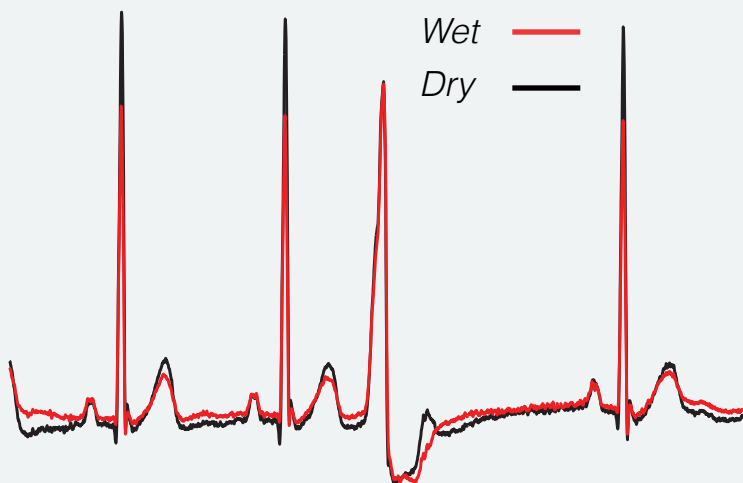


# COGNIONICS DRY ECG BELT



- Wearable ECG Belt in a 1-lead configuration
- Comfortable elastic strap can be worn for long-term monitoring
- Excellent signal quality even under subject movement
- Designed for use with the Drypad electrode for low-noise traces
- Full diagnostic ECG bandwidth and frequency response
- Built-in Bluetooth wireless to stream data to laptop, phone or tablet
- MicroSD slot for onboard data logging

## Diagnostic Grade ECG Signals

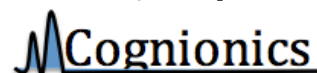


## Ambulatory Dry ECG System

- Traditional ECG monitors provide for excellent signal quality but require skin-irritating electrodes making long-term monitoring difficult on many subjects
- Most dry ECG systems still have signal quality issues:
  - Prone to movement artifacts
  - Unstable signal baseline and drift
  - Poor signal quality including distortion of key ECG morphology
  - Excessively and uncomfortable tight harnesses or shirts
- Cognionics has developed a new generation of ECG systems with patent-pending sensors, electronics and mechanics:
  - ✓ Active sensor noise cancellation
  - ✓ Ultra-high input impedance preamplifiers
  - ✓ High dynamic range digitizers
  - ✓ Motion dampening sensor mounts
  - ✓ Adjustable belt for different body sizes and shapes

Sensors	Two active electrodes plus DRL
Sampling Rate	500 samples/sec (up to 2000 optional)
Resolution	24-bits, ±1 V input range
Data Transfer	Bluetooth v2.1 RFCOMM and microSD
Bandwidth	0-100 Hz, true DC coupling
Noise	0.7 $\mu$ V RMS from 1-70 Hz, shorted inputs
Power	1x AAA, 4+ hours BT, 18+ hr microSD
Impedance Check	Optional upon request , 125 Hz current
Triggering	Receiver built-in, requires transmitter
Weight	75 g with AAA battery
Electrode Connector	Standard ECG-sized snap

**For Information, Help and Pricing:**



[info@cognionics.com](mailto:info@cognionics.com)

Cognionics systems are for research use only with approved IRB.  
Data should never be used for medical diagnosis.