The Myomonitor wearable signal acquisition system is a versatile device that can be operated in a variety of modes to accommodate a wide range of research needs. The system works in 8 or 16 channel models.

The device operates in any of the three modes:

- **Wireless Mode**: Data are digitized and transmitted to a receiving host computer for real-time viewing and storage.

- **Datalogger Mode**: Data are digitized and displayed on the Myomonitor and stored on a removable SD memory card. Battery duration per charge 6 to 8 hours.

- **Analog Output Mode**: With the optional Analog Output System, data are digitized and wirelessly transmitted to a receiving host computer where the signals are recreated and accessible in analog form.