



Product Overview

The Signal Isolation Unit is a very useful accessory item that allows EMG measurement devices to safely interface or to connect to any A/C wall-powered system and a patient device, such as the TeleMyo 2400T. The Signal Isolation Unit is especially useful when an interface between different systems is desired and the analog signals from devices such as isokinetic devices or force plates must be synchronized with EMG signals. Cost-effective and reliable, the unit features three channels of isolated analog signals and expands up to six channels with an optional expansion card.

Benefits

- Allows safe electrical connections to be made between diverse equipment
- Scales and filters signals to properly work with most A/D systems
- Enables EMG compatibility with force plate and isokinetic device signals

Features

- Standard 3 channels of analog signal isolation
- Accepts analog inputs up to +/- 10 Volts
- Provides 3 outputs that are isolated replicas of the 3 input signals
- Selectable gain of x 1 or x 0.5 per channel
- Battery-operated with battery charger supplied

Options

- Expansion card for three additional isolated channels (total of 6)

Specifications

Power Requirements:

- (Battery charger) 90-240VAC 50/60Hz (0.1 amps)
- Operation up to 8 hours with full battery charge

Input Channels:

- 15 pin male D-sub connector
- Baseline noise < 1 m Volts rms
- Input impedance 1 MegOhm
- CMR > 80 dB
- Range +/- 10 Volts
- Isolation > 2500 Volts

Analog Outputs:

- 15 pin female D-sub connector
- All output channels gain of 0.5 or 1.0 (jumper selectable)
- All outputs +/- 4.5 Volts max

Physical:

- Width: 5.5" (13.97 cm)
- Depth: 7.75" (19.685 cm)
- Height: 2.25" (5.715 cm)
- Weight: 2 lbs (0.9072 kg)