

Preamplified Lead Wires



Part #242 - Two-Snap Lead



Part #243 - Three-Snap Lead

Noraxon offers two types of preamplified lead wires to be used with MyoSystem1400 and TeleMyo2400. The two-snap preamplified lead wire (part #242) attaches to the two EMG surface electrodes at the muscle site. The three-snap preamplified lead wire (part #243) provides an additional electrode contact. This third snap serves as a ground reference for the whole measurement system. Typically, only one three-snap preamplified lead wire is required in a measurement system and all other channels can use two-snap preamplified lead wires. The three-snap preamplified lead wire supplies an "active cancellation" signal to the reference electrode. The signal is a "negative" version of the common mode signal present in the two differential input snaps. This cancellation method serves to reduce any common mode signal present on the subject and improves the system's overall noise performance.

Specifications

Power	+/- 5 Volts at 1.2 mA, (1.5 mA for 243 series)
Diff Gain	500 +/- 2%
DC Offset	+/-5 mVDC
AC Noise	< 1 mVrms
CMRR	>100 dB
Low Freq. Cutoff	10 Hz (3 dB)
Input Impedance	>100 Mohms
Lead Length	4 feet/ 0.1 in OD (121.92 cm)
Lead Connector	4 pin Alpha Products 300/231C1090040 (4p, fem, cbl mnt)
Mating Connector	4 pin Alpha Products 300/231C1090240 (4p, male, pnl mnt)
Connector Pinout	Pin 1 Preamp Output (white) Pin 2 +5 volts (red) Pin 3 -5 volts (black) Pin 4 common (green)

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