

## Application Note 179: Interface Connections: Narco (F60 and F2000) Myographs (force transducers) to Biopac MP3X

This application note describes how to connect a Narco F60 or F2000 myograph to an analog channel input on a BIOPAC MP3X Data Acquisition Unit: Biopac Student Lab MP36, MP35 or MP30 or *AcqKnowledge* MP36R. To do this, you'll need the [SS-KIT-IN](#), available from BIOPAC.



**BIOPAC SS-KIT-IN**

Table 1 gives the pin-out diagram for the connector:

**Table 1 – Pin-out Guide for SS-KIT Connector**

Narco Pin #	Function	MP3X DB9 Pin #
1	Vin+	2
2	Vin-	4
3	Shield	NC
4	Ground	3
5	-7V	NC
6	+Ext	6 (+5V)
7	-Ext	9 (-5V)

In addition, a 1600W resistor must be placed between Pin 5 (-7V) and Pin 7 (-Ext). Do this by soldering the resistor on the PC board (shown below).