

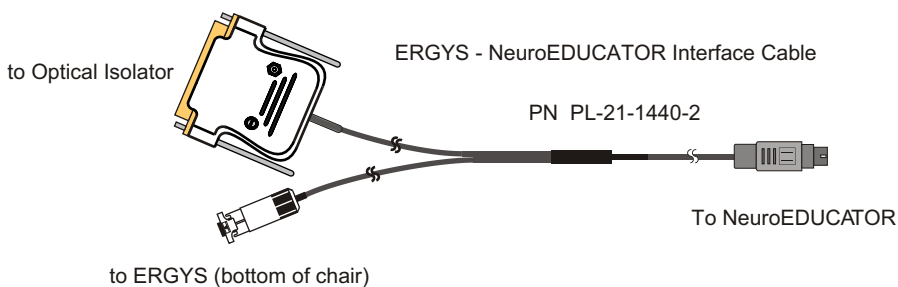
ERGYS - NEUROEDUCATOR INTERFACE

The NeuroEDUCATOR provides an optional interface to the ERGYS Rehabilitation System. A special cable is required for this mode, shown in Figure 7.1. One end of this cable plugs into the bottom of the chair of specially outfitted ERGYS systems.

The Configuration Display includes a choice for the clinician to select a time-based x-axis or a position-based one. When position is chosen, the ERGYS sends the position of the pedal crank, and hence the position of the patient's legs, to the NeuroEDUCATOR to be plotted on the x-axis, with the corresponding 4 channels of the EMG activity plotted on the y-axis.

The ERGYS must be turned on to use this interface. The patient should not be connected to the ERGYS stimulus outputs.

A 'Degrees' setting allows the zero-crossing point to be shifted on the graph. Normally the x-axis begins at 0 degrees, but in cases where a muscle contraction straddles 0 degrees, the view can be shifted by changing the degree offset. This can provide a contiguous view of a muscle contraction that otherwise would appear partly on the right of the display and partly on the left.



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