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CBLCFMA

Current Feedback Monitor Cable

This cable will permit current sampling and can be used with any BIOPAC Stimulator for current verification. CBLCFMA is recommended for use with any voltage stimulator.

To connect the CBLCFMA to a STMISO Stimulator:

1. Connect the female 1.5 mm Touchproof lead to the "-" input of the Stimulator.
2. Connect the male 1.5 mm Touchproof lead to the electrode lead.
3. Connect the 3.5 mm mono phone plug to the UIM100C*, STMISO or INISOA/AMI100D/HLT100C. (Direct connection to STMISO. Other Stimulator types require adapters.)

*3.5 mm mono phone plug should be connected to an unused Analog Channel of the MP160/150 system. If no other electrical connections are made to the subject, then this connection may be made directly to the UIM100C. If other electrical connections are made (for instance, for ECG, EDA, EMG, etc.) then CBLCFMA should be connected through INISOA to an AMI100D or HLT100C.

IMPORTANT: Always make sure to place the electrodes on the participant at least 10 minutes before starting any electrical stimulation. Use a CBLCFMA to monitor and record the actual current delivered to the participant at ALL times. A large enough change in current delivered to the participant will alter the subjective perception of the stimulation. Thus, an unpleasant shock may become painful if more current starts being delivered or become ineffectual if less current is being delivered than during threshold identification. Changes in the levels of delivered current are due to changes in impedance. Changes in impedance could be due to a number of factors: gel saturating the skin over time; gel drying up—over longer period of times; hydration level of participant; sweating; decoupling of electrodes and skin due to motion artifacts; etc.

SPECIFICATIONS

Feedback constant: 1 V = 10 ma

Leads: Male 1.5 mm Touchproof and Female 1.5 mm Touchproof

Resistor: 100 ohm 1% MF 1 Watt resistor (in series between TP leads)

Connector: 3.5 mm mono phone plug

Cable: 2 m (6' 6¾")

See also: STMISOLA Stimulator and STMEPM-MRI System