info@biopac.com
support@biopac.com
www.biopac.com

MEC SERIES MODULE EXTENSION CABLES

FOR MOST 100C SERIES MODULES

MEC100C 100C-series Transducer amplifiers to 1.5 mm male Touchproof pins

MEC110C 100C-series Biopotential amplifiers to 1.5 mm male Touchproof pins

MEC111C 100C-series Biopotential amplifiers to 1.5 mm male Touchproof pins—***Protected***

FOR LESS COMMON OR 100B SERIES MODULES

MEC100 DA100C or 100B-series Biopotential or Transducer amplifiers to 2 mm socket inputs

MEC101 100B-Series Biopotential amplifiers to 2 mm socket inputs – Protected

MEC110 100B-series Biopotential or Transducer amplifiers to 1.5 mm Touchproof inputs

MEC111 100B-series Biopotential amplifiers to 1.5 mm Touchproof inputs—***Protected***

These module extension cables are used to increase the distance between subject and recording system, allowing increased subject movement and comfort. Each extension cable attaches to one amplifier; electrodes and transducers plug into the extension cable's molded plastic input plug. The 3-meter extension includes a clip for attaching to a subject's belt loop or clothing.

The MEC100C is designed for Transducer amplifiers. The MEC110C and MEC111C are designed for Biopotential amplifiers. Use the MEC100C or MEC110C to increase the lead length to the amplifier.

The MEC111C is required for the protection of a system and Biopotential amplifiers when electrocautery or defibrillation equipment is used while recording data.

Protection There are passive protection circuits built into MEC111C. These protective elements are designed to protect the biopotential amplifier from damage, assuming heart defibrillation pulses are introduced to the monitored subject. The MEC111C design incorporates 10 kohm series resistance elements, on each conductor, that also terminate in a transient absorber. With this design, potentially harmful defibrillation pulses are suppressed prior to encountering the biopotential amplifier input.

All other cables support direct point-to-point wiring, and incorporate no active or passive protective components.

The MEC series extension cables contain no ferrous parts (less the removable clothing clip).

IMPORTANT SAFETY NOTES

1. MEC series cables are not to be used on humans when they are undergoing electrosurgery or defibrillation. In fact, no BIOPAC equipment should be connected to human subjects during the course of defibrillation or electrosurgery.
2. When MEC series cables are used, be careful to preserve the isolation of MP system during defibrillation. No external lab equipment should be connected directly to the UIM100C, IPS100C or any included amplifier module. To preserve MP system isolation, all connections of this type should be made using INISOA or OUTISOA with the AMI100D/HLT100C. To verify that the isolation of the recording system is intact, use a multimeter to measure resistance from subject ground (on biopotential amplifier) to mains ground; there should be no DC conductivity.
3. Do not connect the electrode leads attached to the MEC series cables directly to defibrillator paddles. When using MEC cables, electrode leads should be connected to the subject directly and not via the defibrillator paddles.