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Isolated, Low Noise Bioamplifer Chassis

$1,641.00

Order code 74030

Qty

1

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Overview

Details

See what you need to know before you buy an amplifier.

Benefits

- Chassis accepts combination of bioamplifiers and transducer amplifiers
- Flexible channel count (1–8) allows expandability
- Notch filter targets AC line noise sources
- Variable gain output amplitude
- Wide ±10V output range

Applications

- Amplifying biopotentials using metal microelectrodes
- Brain slice field potentials
- EAG (Electroantennogram)
- ERG (Electroretinogram)

The **ISO-DAM8A** is a compact modular standard rack-mountable DC amplifier system. Each channel is electrically isolated from the others and from ground. No current can flow from the input terminals and electrodes. The instrument is intrinsically safe and cannot cause any electrical stimulus or shock to the preparation. In addition, ground loop noise is minimized.

Filters Included with the Amplifier

Systems can be purchased with one, two, three or up to eight preamplifier modules or mixed with **Bridge8** transducer amplifier modules. You can then select:

- An appropriate low pass filter setting, gain and offset on the channel amplifier panel.

- Notch filter added to reduce line frequency interference.
- Optional headstage preamplifier (10x gain) allows low noise extracellular (DC) recording with **Iso-DAM8A** and adds greater signal bandwidth than a shielded cable of the same length.

The **Iso-DAM8A** amplifier and headstage configuration is optimally suited for use with our metal microelectrodes and can be easily configured for many applications. Each amplifier channel has a coaxial (BNC) connector located on the rear panel.

Configuring Your ISDB System

The ISDB chassis (**74030**) holds up to eight modules and includes a power supply. You may include any combination of **BRIDGE8** Transducer Amplifier modules or ISO-DAM8A single channel modules (**74020**). If you choose fewer than eight modules, you need to order the ISDB blank panels (**74050**) to fill the empty slots in the chassis. ISO-DAM8A bioampliers include an 8-pin DIN connector with shielded, unterminated 5' cable. Please specify line voltage when ordering.

When configuring your ISDB system:

- Order a chassis and power supply enclosure (**74030**)
- Select up to 8 modules (**ISO-DAM8A** or **BRIDGE8**)
- Order blank panels (**74050**) to fill empty slots
- ISO-DAM8A **74020** is a DC amplifier

Complete eight channel amplifier system with 74030 chassis showing eight 74020 (ISODAM8A) modules installed
*Also available for BRIDGE8 transducer amplifier modules and blank panels (74050).



Photo illustrates a complete amplifier system and is shown with the 74030 chassis and eight ISO-DAM8A (74020) amplifier modules.

*The modules are sold separately.

Specifications

Accessories

Related Products

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