

ACQ-7700USB 2-Slot Acquisition Interface



Features

- Low cost solution
- Expandable up to 64 channels
- 2 slots (model PNM-P3P-7002XS) to accommodate various signal conditioner configurations
- Smaller size allows it to be utilized in labs where space is a premium
- Industry standard USB 2.0 communication port
- Family of 7700 series signal conditioners tailored for physiological applications

The ACQ-7700 2-Slot Acquisition Interface is a low cost solution designed specifically to interface to the Ponemah Physiology Platform. The modular design allows the user to easily expand the number of available acquisition channels to a maximum of 64, through the installation of 7700 series signal conditioner modules. The 7700 series signal conditioners are designed to take in various physiological signals, such as bio-potentials, blood pressures, pulmonary flows, temperatures and even high-level inputs from other sensors. The smaller, portable, and rugged chassis is perfect for laboratories that conduct acute studies using a few test subjects at a time.

When combined with the Multi-Lead ECG POD, a 10-lead patient ECG cable, and the Digital Communication Module (DCOM), researchers have a portable ECG System capable of conditioning up to 12 simultaneous surface ECG leads (Lead I, II, III, aVR, aVL, aVF, and 6 V leads).

Technical Data Sheet

Model PNM-P3P-7002XS

ACQ-7700USB 2-Slot Acquisition Interface

SPECIFICATIONS

Input/Output Specifications

Input/Outputs	Aux port on USB module
Max # Channels	Modular, up to 64
Max Aggregate Rate*	1M samples/second signal conditioner dependant

*NOTE: The aggregate sampling rate may be affected by the host computer's performance and the complexity of the real-time analysis being performed.

Physical Specifications (2 slot)

Size	11.00 x 18.20 x 30.2 cm
Weight	2.04 kg (4.5 lbs)
Power	90-264 VAC, 50/60 Hz, 1A max

General

Operating Temperatures	10 – 40 degrees C
Humidity	30% to 75% Relative Humidity Non-Condensing
Safety, RFI	IEC 60601-1, CE mark
Compatibility	USB hardware requires Pone- mah v4.6 or greater

ORDERING INFORMATION

Part Number

PNM-P3P-7002XS

Note: above system requires 7700 Signal Conditioners. Please reference signal condition bulletins for more details.

Description

Description	Bulletin number
Advanced Basic 32 Signal Conditioner	446-69
Advanced Basic 4 Signal Conditioner	446-75
Carrier Signal Conditioner	446-79
Math Module	446-80
Isolated Defibrillation Protected ECG Probe	446-83
Digital to Analog Output Module (D/A module)	446-89
12 Channel Isolated BIO-POD	446-96
Universal XE Signal Conditioner	446-97
Digital Communication Module (DCOM)	446-99
Multi-Lead ECG POD	446-103

*Specifications are current at publication.
Due to DSI's continuing product improvement program,
specifications may change without notice.*

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