

## ACQ-7700USB Acquisition Interface



### Features

- Expandable up to 128 channels
- 6 slots (model PNM-P3P-7002) and 13 slots (model PNM-P3P-7002 XE) to accommodate various signal conditioner configurations
- Small 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 is 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 128, 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. Its flexible channel count makes it a good choice for interfacing to various signals, when the required number of channels is undetermined, or exceeds 16 channels. The portable, rugged chassis is perfect for interfacing to a laptop, allowing for system mobility.

# Technical Data Sheet

## Model PNM-P3P-7002, PNM-P3P-7002 XE ACQ-7700USB Acquisition Interface

### SPECIFICATIONS

#### Input/Output Specifications

Outputs	3TTL level I/O lines
Inputs	1TTL level I/O line
Max # Channels	Modular, up to 128
Max Aggregate Rate* condi	1M samples/second signal ioner 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 (6 slot)

Size	17.15 x 26.65 x 43.18 cm
Weight	5.5 kg (12 lbs)
Power	90-264 Vac, 200 W max

#### Physical Specifications (13 slot)

Size	22.86 x 44.45 x 36.83 cm
Weight	12.2 kg (27 lbs)
Power	90-264 Vac, 200 W max

#### General

Operating Temperatures	0 – 40 degrees C
Humidity	20% to 80% Relative Humidity
Safety	CE mark, EN61010-1, UL 3111-1
RFI/EMI	CE mark, EN55011/CISPR11 Class A, FCC Part 15 Class A

### ORDERING INFORMATION

#### Part Number

PNM-P3P-7002  
PNM-P3P-7002 XE

**Note: above systems require 7700 Signal Conditioners. Please reference signal condition bulletins for more details.**

#### Description

Description	Bulletin number
Universal Signal Conditioner	446-67
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.*

*DSI products are not intended for the purposes of diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, or used as a life support device. Use of DSI products are solely for the purposes of conducting life science research.*