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Discover a wide selections of our
sound measurement equipments according to your
sound measurement needs

MULTI-CHANNEL SIGNAL CONDITIONER
PLACID PQ401

www.placidinstruments.com



New Calibrated Instruments for Registering Noise and Vibration

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PLACID PQ401 Multi-Channel Signal Conditioner

PLACID Multi-Channel Signal Conditioner

PQ Series portable dynamic signal conditioner is characterized by high sampling rate, high measurement accuracy, compact size and portability. 24 $\Delta - \Sigma$ data acquisition chip, multi-channel synchronization and sampling frequency up to 64 kHz/per channel. Customer can achieve the equipment control and data acquisition, signal analysis and other functions through supporting software SoundExpress.



Application

- o Motor, machine tool or other power equipment
- o Aircraft, vehicles, ships or other traffic equipment
- o Large structures such as Bridges, buildings and DAMS

Engineering Application

- o Vibration
- o Noise
- o Mode
- o Strain
- o Pressure
- o Voltage
- o Etc.



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Specification



Input Channels	4/8/16
PC Connection Method	Network Port
Programable Gain	x1, x10, x100
ICCP Power Supply (mA)	4 mA
A/D Converter (bit)	16/24
Max. Sampling Frequency (Hz)	50 kHz
Internal Noise (mVrms @±10V)	<0.03
Input Range (Vrms)	±10
Dynamic Range (dB)	110
Input Connector	BNC
Multi-Cascade	Multi-cascade, synchronous
Power Requirement	Internal Rechargeable battery(*) or 12 V with power adaptor
Size (mm) (Length x Width x Height)	210 x 130 x 50
Weight (kg)	1.5

** means customization function*