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PLACID
MICROPHONE
PREAMPLIFIER

PNP
41

ACCURATE & STABLE

PLACID MEASUREMENT MICROPHONES

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

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NEW CALIBRATED INSTRUMENTS FOR REGISTERING NOISE AND VIBRATION



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PLACID PNP41

1/4" STANDARD PREAMPLIFIER



Specification

Frequency Range

5.0 Hz to 100 kHz

Noise

< 2.5 µV

Usage

General purpose

The PLACID PNP41 1/4" Preamplifier is a robust preamplifier designed to be used for acoustic measurements with condenser microphones. The self-noise is very low, it has a wide dynamic range and frequency response.

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Specification

Design

All PLACID ICCP microphone preamplifiers are designed for ¼", ½" and 1" condenser microphones.
The preamplifiers are optimized to have a flat frequency response which will ensure high quality acoustic measurements.

Self Noise

The electrical circuit has especially been designed to ensure a low self-noise level which typically be much lower than the self-noise of the microphone cartridge.

Impedance

The PLACID PNP41 input impedance is over 5 Ω, the output impedance is less than 110 Ω .

Daily usage

- General-purpose preamplifier
- High-frequency measurements
- High-pressure measurements

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DATASHEET PLACID PNP41 PREAMPLIFIER

Frequency Response (Ref. 250 Hz, 0.2 dB)	Hz	5.0 to 100 kHz
Slew Rate	V/µs	2.95
Input Impedance	G Ω	➢ 1.5
Output Impedance	Ω	< 110
Max Output Voltage	Vrms	8.0
Noise (A-Weighted)	µV	< 2.5
Noise (Linear 20 Hz – 20 kHz)	µV	< 6.0
Gain	dB	- 0.18
DC – offset, minimum	V	15
DC- offset, maximum	V	24
Power Requirement	mA	ICP 2 to 20
Temperature operational range	Celcius	- 40 to 100
Temperature storage range	Celcius	-40 to 100
Humidity operational range noncondensing	% Rh	0 to 98
Output Connector Type		SMB
Diameter	Inch	¼
Weight	Gram	6.5
Length	mm	58.0



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