



ACCURATE & STABLE

PLACID MEASUREMENT MICROPHONES

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

PNP
21

Placid Instruments BV
Westplein 12-14 3016 BM Rotterdam
The Netherlands
info@placidinstruments.com

www.placidinstruments.com

ASK US!
HERE





New Calibrated
Instruments for
Registering Noise
and Vibration

Placid Instruments BV
Westplein 12-14 3016 BM Rotterdam The
Netherlands
+31103104907 
info@placidinstruments.com 
www.placidinstruments.com

PLACID PNP21

1/2" Standard Preamplifier



Specification

Frequency Range
5.0 Hz to 100 kHz

Noise
< 2.0 μ V

Usage
General purpose

The PLACID PNP21 1/2" 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.



New Calibrated Instruments for Registering Noise and Vibration

Placid Instruments BV
Westplein 12-14 3016 BM Rotterdam The Netherlands
+31103104907 
info@placidinstruments.com 
www.placidinstruments.com

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 PNP21 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



New Calibrated Instruments for Registering Noise and Vibration

Placid Instruments BV
 Westplein 12-14 3016 BM Rotterdam The Netherlands
 +31103104907 
 info@placidinstruments.com 
 www.placidinstruments.com

Datasheet PLACID PNP21 Preamplifier



Frequency Response (Ref. 250 Hz, 0.2 dB)	Hz	5.0 to 100 kHz
Slew Rate	V/ μ s	3.7
Input Impedance	G Ω	> 5
Output Impedance	Ω	< 110
Max Output Voltage	V _{rms}	8.0
Noise (A-Weighted)	μ V	< 2.0
Noise (Linear 20 Hz – 20 kHz)	μ V	< 6.0
Gain	dB	- 0.27
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		BNC
Diameter	Inch	½
Weight	Gram	25.5
Length	mm	84.5