



ACCURATE & STABLE

PLACID MEASUREMENT MICROPHONES

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

PMV
21LN

Placid Instruments BV

Newtonlaan 115

Office No. 2.21

3584 BH UTRECHT

THE NETHERLANDS

info@placidinstruments.com

www.placidinstruments.com

ASK US!
HERE





PLACID INSTRUMENTS BV

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

info@placidinstruments.com

www.placidinstruments.com

PLACID PMV21LN

1/2" Externally Polarized Free-field Microphone, Class 1



Specification

Frequency Range

20 to 16000 Hz

Dynamic Range

10 to 110 dB(A)

Nominal Sensitivity

70 mV/Pa

The PMV21LN is a 1/2" externally polarized free-field microphone, classified per IEC 61094 as WS2F Class I.



PLACID INSTRUMENTS BV

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

info@placidinstruments.com

www.placidinstruments.com

Specification

Basics

The PLACID PMV21LN is a high-precision condenser microphone manufactured in compliance with the IEC 61094-4 requirements and classified as a WS2F microphone. The PMV21LN microphone is optimized for free-field measurements. As all PLACID microphones, the PMV21LN comes with an individually calibration certificate.

Connectivity

The PLACID PMV21LN microphone requires a standardized 1/2" BNC preamplifier that does not need to provide polarization.

Uses

The PMV21LN is a robust and stable microphone and is being used as an all-round free field microphone suitable for laboratory as well as field jobs.

Daily usage

PLACID recommends calibration before and after each measurement with a calibrator.

Individual calibration

All PLACID microphones are being calibrated in a controlled laboratory environment using traceable calibration equipment complying with ISO17025 standards. We recommend that all PLACID microphones are re-calibrated every year to guarantee an optimized usage. PLACID Traceable Calibration is performed by our qualified staff and under controlled conditions according to the procedures and standards such as ISO17025

Quality

All PLACID microphones are made of high-quality materials that will ensure long stability and durability.

The microphone diaphragm, body, and protection grid are made of high-grade stainless steel, which makes the microphone resistant to physical damage. PLACID offers 2 years warranty against defective materials and workmanship.



PLACID INSTRUMENTS BV

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

info@placidinstruments.com

www.placidinstruments.com

Datasheet PLACID PMV21LN Microphone



Microphone Diameter	½ inch
Sound Field Type	Free-Field
Polarization	200 V
Frequency range (±2 dB)	20 to 10000 Hz
Frequency range (±3 dB)	20 to 16000 Hz
Dynamic range lower limit (Self Noise)	10 dB(A)
Dynamic range upper limit	110 dB(A)
Nominal Capacitance	16 pF
Microphone venting	Rear
Temperature range, operation	-30 – 90 °C
Temperature coefficient @250 Hz	< -0.012 dB/°C
Standard Compliance	IEC 61094-4 WS2F
Static pressure coefficient @250 Hz	< -0.01 dB/kPa
Humidity coefficient @250 Hz	< 0.1 dB/% RH