



# ACCURATE & STABLE

PLACID MEASUREMENT MICROPHONES

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

Placid Instruments BV

Newtonlaan 115

Office No. 2.21

3584 BH UTRECHT

THE NETHERLANDS

info@placidinstruments.com

[www.placidinstruments.com](http://www.placidinstruments.com)

PMV  
27

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](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

# PLACID PMV27

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



## Specification

### Frequency Range

20 Hz to 20 kHz

### Dynamic Range

25 dBA to 155 dB(A)

### Nominal Sensitivity

12 mV/Pa

The PMV27 is a 1/2" externally polarized pressure-field microphone, classified per IEC 61094 as WS2P 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](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

## Specification

### Basics

The PLACID PMV27 is a high-precision condenser microphone manufactured in compliance with the IEC 61094-4 requirements and classified as a class 1 microphone.

The PMV27 microphone is optimized for Pressure-field measurements. As all PLACID microphones, the PMV27 comes with an individually calibration certificate.

### Connectivity

The PLACID PMV27 microphone requires a standardized 1/2" BNC preamplifier that needs to provide 200 Volt polarization.

### Uses

The PMV27 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](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

## Datasheet PLACID PMV27 Microphone



Class / type	1
Polarization	200V
Frequency range	20 Hz to 20 kHz
Dynamic range	25 – 155 dB(A)
Nominal Sensitivity	12 mV/Pa
Temperature range, operation	-30 – 75 Celsius
IEC 61094 Designation	WS2P Class I
Humidity operating Range	0 to 90 % RH
Ventilation	Side
Weight	6.8 grams
Height	12.3 mm