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PMP  
27

Placid Instruments BV

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# PLACID PMP27

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



## Specification

### Frequency Range

20 Hz to 20 kHz

### Dynamic Range

25 to 155 dB(A)

### Nominal Sensitivity

12 mV/Pa

The PMP27 is a 1/2" externally polarized pressure-field microphone, classified per IEC 61094 as WS2P Class 1.



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## Specification

### Basics

The PLACID PMP27 is a high-precision condenser microphone manufactured in compliance with the IEC 61094-4 requirements and classified as a class 1 microphone.

The PMP27 microphone is optimized for pressure-field measurements. As all PLACID microphones, the PMP27 comes with an individually calibration certificate.

### Connectivity

The PLACID PMP27 microphone requires a standardized 1/2" BNC preamplifier that does not need to provide polarization.

### Uses

The PMP27 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.



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## Datasheet PLACID PMP27 Microphone



Class / type	1
Polarization	0 V
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 1
Humidity operating Range	0 to 90 % RH
Ventilation	Side
Weight	6.8 grams
Height	12.3 mm