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PMP  
41-1

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

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

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

# PLACID PMP41-1 Measurement Microphone Set

1/4" Externally Polarized Free-field Microphone with Preamplifier



## Specification

### Frequency Range

20 Hz to 20 kHz

### Dynamic Range

30 dBA to 126 dB(A)

### Sensitivity

50 mV/Pa

### Measurement Microphone Set

The PMP41-1 is a 1/4" externally polarized free-field microphone with preamplifier, classified per IEC 61094 as WS3F.



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## Specification

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### Basics

The PLACID PMP41-1 is a high-precision condenser measurement microphone set consisting of a microphone and preamplifier manufactured in compliance with the IEC 61094-4 requirements and classified as a class 1 microphone.

The PMP41-1 microphone and preamplifier is optimized for free-field measurements. As all PLACID microphones, the PMP41-1 comes with an individually calibration certificate.

### Connectivity

The PLACID PMP41-1 microphone and preamplifier has a BNC connector.

### Uses

The PMP41-1 is a robust and stable measurement microphone set and is often being used in a microphone array / fixture or impedance tube for laboratory as well as field jobs.

### Daily usage

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

### Individual calibration

All PLACID measurement microphone sets are being calibrated in a controlled laboratory environment using traceable calibration equipment complying with ISO17025 standards.

We recommend that all PLACID measurement microphone sets 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 measurement microphone sets 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 PMP41-1 Measurement Microphone Set



Designation	WS3F
Class / type	1
Polarization	0 V
Frequency range	20 Hz to 20 kHz
Dynamic range	30 – 126 dB(A)
Sensitivity	50 mV/Pa
Temperature range, operation	-30 – 75 Celsius
IEC 61094 Designation	WS3F
Humidity operating Range	0 to 98 % RH