



PLACID  
MEASUREMENT  
MICROPHONE

**PMP  
41-1**

# ACCURATE & STABLE

PLACID MEASUREMENT MICROPHONES

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

**Placid Instruments BV**

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# PLACID PMP41-1

## Microphone/Preamplifier set (detachable)

1/4" EXTERNALLY POLARIZED FREE-FIELD MICROPHONE WITH  
PREAMPLIFIER



## Specification

### Frequency Range

20 Hz to 40 kHz

### Dynamic Range

34 to 164 dB(A)

### Nominal Sensitivity

4 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**



Designation	WS3F
Class / type	1
Polarization	0 V
Frequency range	20 Hz to 40 kHz
Dynamic range	34 – 164 dB(A)
Nominal Sensitivity	4 mV/Pa
Temperature range, operation	-30 – 75 Celsius
IEC 61094 Designation	WS3F
Humidity operating Range	0 to 98 % RH



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