



PLACID  
MEASUREMENT  
MICROPHONE

**PMP  
40-1B**

# 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)

ASK US!  
HERE





**PLACID INSTRUMENTS BV**

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

Phone +31 302106021

email [info@placidinstruments.com](mailto:info@placidinstruments.com)

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

# PLACID PMP40-1B

Microphone/Preamplifier set (non detachable)  
optimized for use with arrays.

7 MM PRE-POLARIZED FREE-FIELD MICROPHONE SET, TYPE 2.



## Specification

### Frequency Range

20 Hz to 20 kHz

### Dynamic Range

30 to 126 dB(A)

### Nominal Sensitivity

50 mV/Pa

The PMP40-1B is a 7 mm pre-polarized free-field microphone set, classified per IEC 61094 as Class 2.



## PLACID INSTRUMENTS BV

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

Phone +31 302106021

email [info@placidinstruments.com](mailto:info@placidinstruments.com)

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

## Specification

---

### Basics

The PLACID PMP40-1B is a high-precision condenser microphone manufactured in compliance with the IEC 61094-4 requirements and classified as a class 2 microphone set. The PMP40-1B microphone set is optimized for free-field measurements. As all PLACID microphones, the PMP40-1B comes with an individually calibration certificate.

### Connectivity

The PLACID PMP40-1B microphone and preamplifier has SMB connector.

### Uses

The PMP40-1B is a robust and stable microphone set and is being used as an all-round free field microphone suitable for laboratory as well as field jobs. The set's design is optimized for usage with arrays.

### Daily usage

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

### Individual calibration

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

We recommend that all PLACID microphone set 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 +31 302106021

email [info@placidinstruments.com](mailto:info@placidinstruments.com)

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

**DATASHEET PLACID PMP40-1B  
MICROPHONE / PREAMPLIFIER SET FOR ARRAYS**



Class / type	2
Polarization	0 V
Frequency range	20 Hz to 20 kHz
Dynamic range	30 – 126 dB(A)
Nominal Sensitivity	50 mV/Pa
Temperature range, operation	-30 – 75 Celsius
Humidity operating Range	0 to 90 % RH
Ventilation	Rear
Weight	9.2 grams
Height	65 mm
Diameter	7 mm





Placid Instruments BV

Newtonlaan 115, Office No. 2.21

3584 BH UTRECHT

THE NETHERLANDS

Phone landline : +31 302106021

Email : [info@placidinstruments.com](mailto:info@placidinstruments.com)

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

ASK US!  
HERE

