PLACID
PLACID INSTRUMENTS



PLACID
MEASUREMENT
MICROPHONE

PMP
25

ACCURATE & STABLE

PLACID MEASUREMENT MICROPHONES

Discover a wide selections 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

ASK US!
HERE

PLACID
PLACID INSTRUMENTS

NEW CALIBRATED INSTRUMENTS FOR REGISTERING NOISE AND VIBRATION



PLACID INSTRUMENTS BV
Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS
Phone +31 302106021
email info@placidinstruments.com
website www.placidinstruments.com

PLACID PMP25

1/2" PREPOLARIZED DIFFUSE-FIELD MEASUREMENT MICROPHONE



Specification

MATERIALS	
Grid	Copper nickel plating
Housing	Stainless Steel
Diaphragm	Nickel
Back Plate	Stainless Steel
Insulator	Crystal Quartz
Electret	Teflon

The PMP25 is 1/2" prepolarized diffuse-field measurement microphone. It is for general purpose acoustic measurements, e.g. in diffuse fields and inside vehicles.

All the microphones are going through solid environmental testing, which includes high temperature ageing and high humidity ageing.

PLACID
PLACID INSTRUMENTS

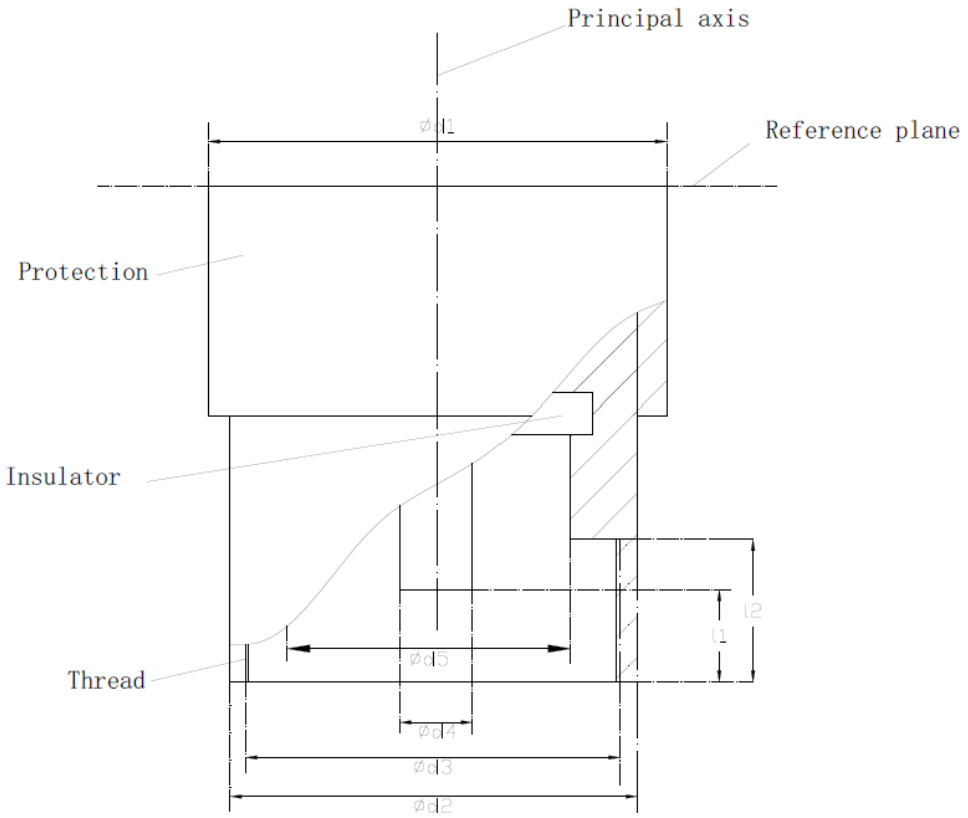
NEW CALIBRATED INSTRUMENTS FOR REGISTERING NOISE AND VIBRATION



PLACID INSTRUMENTS BV
Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS
Phone +31 302106021
email info@placidinstrums.com
website www.placidinstruments.com

Dimension

Dimension	D1	D2	L1	L2	D4	D5	D3	Total L
IEC 61094-4 Requirements for WS2D	13.2	12.7	3.6 – 4.6	>2.2	3-5	>7.8	11.70-60UNS-2B	N/A
PMP25	13.20	12.68	4.30	4.30	3.01	7.90	11.70-60UNS-2B	16.50



PLACID
PLACID INSTRUMENTS

NEW CALIBRATED INSTRUMENTS FOR REGISTERING NOISE AND VIBRATION



PLACID INSTRUMENTS BV
Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS
Phone +31 302106021
email info@placidinstruments.com
website www.placidinstruments.com

DATASHEET PLACID PMP25

Frequency Response	Diffuse – Field
Open Circuit Sensitivity	50mV/Pa
Equivalent Noise Level	< 16 dB(A)
T.H.D.	< 3% at 146dB SPL
Polarization Voltage	0V / IEPE
Constant Current Power Supply	4 – 20 mA
Capacitance	16.0 pF
Equivalent Air Volume	230 mm3 at 250 Hz.
Diaphragm Resonance Frequency	14 kHz.
Pressure Vent	Rear
Operating Temperature Range	-30°C ~ 90°C
Temperature Coefficient	-20 ~ 60 °C; Sound Pressure Level Change < -0.003 dB (at 250Hz, at reference temperature 23 °C)
Humidity Coefficient	20% - 90% RH ; Sound Pressure Level Change < -0.003 dB (at 250Hz at temperature 40 °C, and reference 50% RH)
Pressure Coefficient	65 kPa – 108 kPa ; Sound Pressure Level change < -0.004 dB (at 250 Hz at reference pressure 101 kPa.)
Long-Term stability coefficient	< 0.03 dB/year
Ventilation	Back

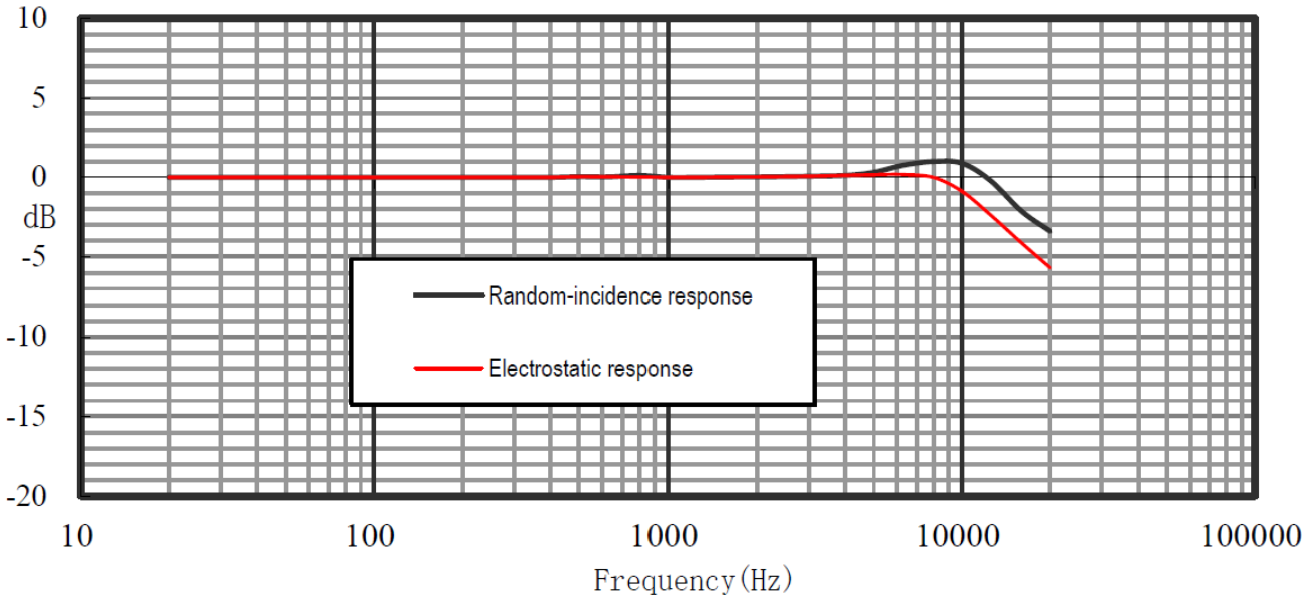
PLACID
PLACID INSTRUMENTS

NEW CALIBRATED INSTRUMENTS FOR REGISTERING NOISE AND VIBRATION



PLACID INSTRUMENTS BV
Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS
Phone +31 302106021
email info@placidinstruments.com
website www.placidinstruments.com

THE TYPICAL FREQUENCY RESPONSE FOR PMP25



PLACID
PLACID INSTRUMENTS

NEW CALIBRATED INSTRUMENTS FOR REGISTERING NOISE AND VIBRATION



PLACID INSTRUMENTS BV
Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS
Phone +31 302106021
email info@placidinstruments.com
website www.placidinstruments.com

Specification

Basics

The PLACID PMP25 is a high-precision condenser microphone manufactured in compliance with the IEC 61094-4 requirements and classified as a class 1 microphone.
The PMP25 microphone is optimized for diffuse-field measurements. As all PLACID microphones, the PMP25 comes with an individually calibration certificate.

Connectivity

The PLACID PMP25 microphone requires a standardized 1/2" BNC preamplifier that does not need to provide polarization.

Uses

The PMP25 is a robust and stable microphone, and it is used as an all-round free-field microphone suitable for both laboratory and field applications. It can also be used with sound measurement systems according to the IEC61672-1 standard.

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

PLACID INSTRUMENTS

Placid Instruments BV

Newtonlaan 115, Office No. 2.21

3584 BH UTRECHT

THE NETHERLANDS

Phone landline : +31 302106021

Email : info@placidinstruments.com

www.placidinstruments.com

ASK US!
HERE