PERISCOPE GEN 2

GOOSENECK MICROPHONE FOR
INSTRUMENTS AND CHOIRS

MODELS:
P30-S

Follow us on social media **@EarthworksAudio**
For more information, please visit
earthworksaudio.com or call 1-603-654-2433.

EARTHWORKS AUDIO

Thank you for purchasing an Earthworks microphone, designed, assembled and tuned in Milford, New Hampshire, USA.

INCLUDED ACCESSORIES

- 1 SRW3 Foam Windscreen
- 1 MC1 Microphone Clip
- 1 Microphone Bag

USING YOUR P30-S MICROPHONE

SOUND SETTINGS

- The Earthworks P30-S is a condenser microphone with active electronics.
- Condensers typically have higher output levels than dynamic microphones. If your P30-S is replacing a dynamic microphone, you should lower your gain control before using it for the first time.
- We also recommend starting with EQ flat and resetting compression, gates and other corrective processing.

POSITIONING FOR INSTRUMENTS

- The P30-S's flexible gooseneck allows you to fine-tune the position of the capsule to obtain the best possible sound from your source. It also lets you aim the capsule towards your sound source while keeping the body of the microphone parallel to the stand for a low profile look.
- The P30-S has a large sweet spot, in terms of the width of its coverage and its performance at various distances. Its high SPL handling and low noise make it excellent for both close-miking and capturing sources at a distance.

POSITIONING FOR CHOIR

- It is common to use two P30-S microphones in a single row, on tall stands positioned 2 to 3 feet (0.6 to 0.9 meters) downstage of the front row of singers.
- Depending on the width of the choir, you may choose to use more than two microphones.
- With large choirs it may be preferable to use more than one row of microphones, to provide zoning and have more control of the mix.
- In most situations, the microphone capsules should be angled down towards the faces of the singers.
- However, if an orchestra or band is located directly downstage of the choir, greater isolation may achieved with the microphone capsules angled parallel to the floor.

PHANTOM POWER

The P30-S microphone requires 48-volt phantom power. To avoid loud pops, unwanted noises and equipment damage, follow these steps whenever you power up your P30-S:

BEFORE CONNECTING:

- Mute the channel
- Ensure phantom power is switched OFF

AFTER CONNECTING:

- Switch phantom power ON
- Let the microphone warm up for at least ten seconds
- Un-mute the channel

BEFORE DISCONNECTING:

- Mute the channel
- Switch phantom power OFF

USING THE INCLUDED FOAM WINDSCREEN

Your Earthworks P30-S comes with a high quality foam windscreen specifically chosen for its acoustic transparency and minimal effect on the frequency and polar responses. You can be confident that using it to prevent indoor wind noise generated by HVAC and ceiling fans will not degrade the performance of your microphone. It will also provide some protection against dust.

TROUBLESHOOTING

If you encounter issues while using your Earthworks Audio microphone, please make sure that:

- A high quality microphone cable is being used
- Phantom power is being supplied to the microphone
- All connections from microphone to input device have been securely made
- The microphone is positioned at an appropriate distance from the sound source

If you still think there's an issue with your microphone, please contact us via our website.

SPECIFICATIONS

Frequency Response
20Hz - 25kHz

Polar Pattern
Supercardioid

Microphone Type
Prepolarized Condenser

Diaphragm Size
10 mm

Sensitivity (1kHz)
-35 dBV/Pa (18 mV/Pa)

SPL Handling
135 dBSPL (1% THD)
141 dBSPL (3% THD)

Max Acoustic Input
146 dBSPL (10% THD)

Phantom Power Requirements
48V, 6mA

Self Noise
20 dBSPL (A-Weighted)

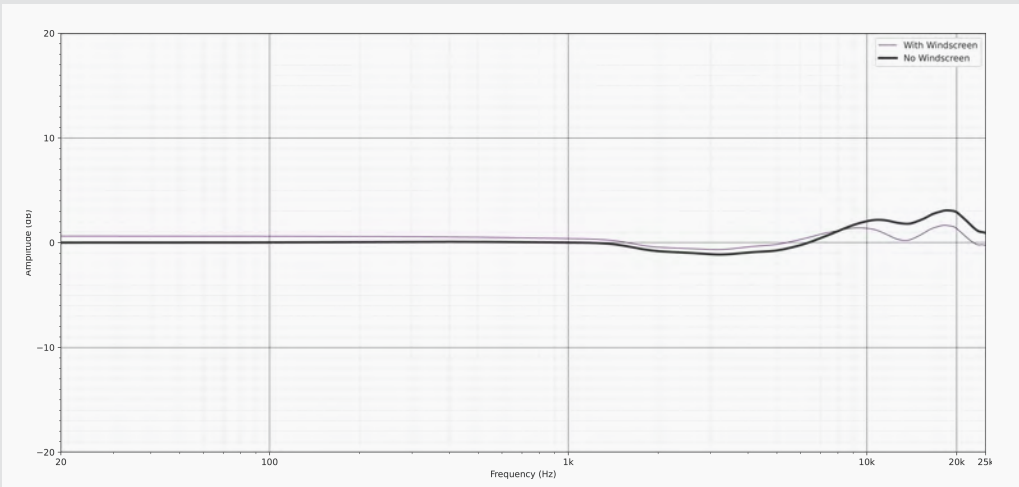
Output Connector
XLR3-M

Minimum Output Load
1k Ohm

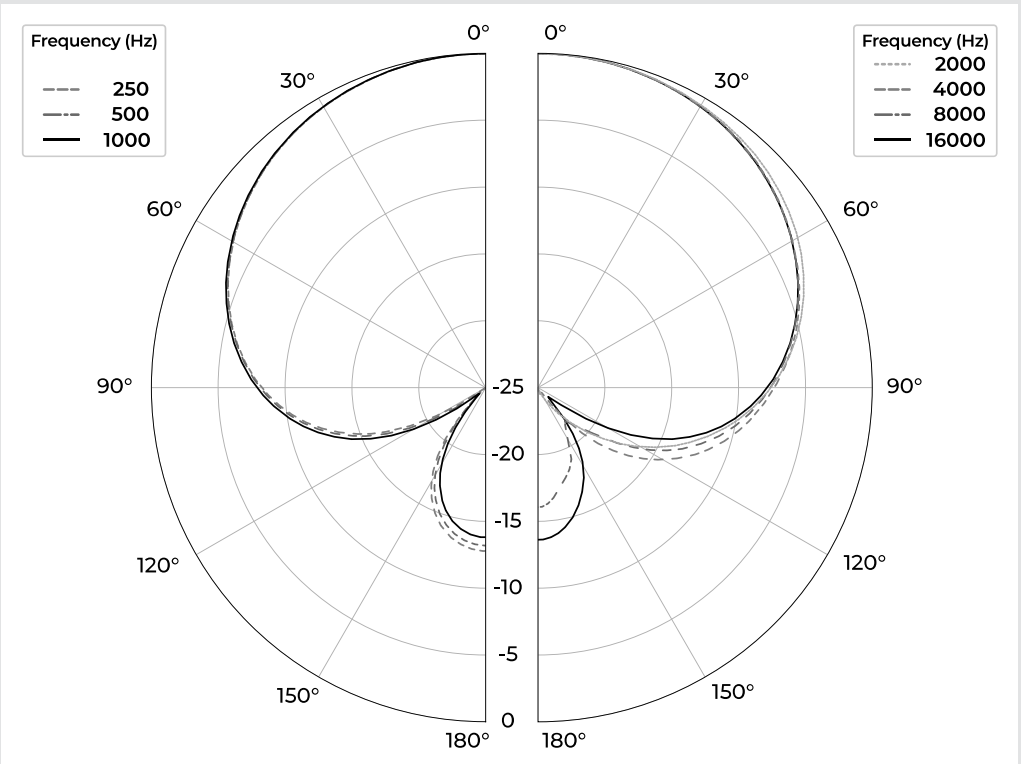
Dimensions
0.85 in x 7 in
(21.8mm x 80mm)

Weight
0.32 lbs (0.15 kg)

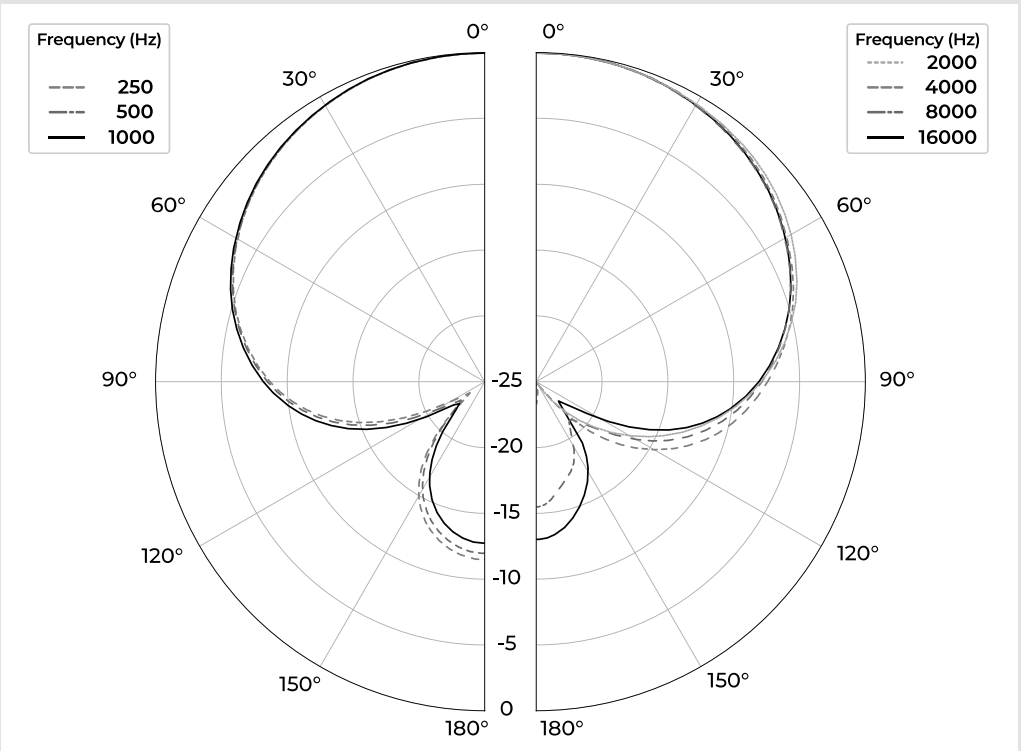
FREQUENCY RESPONSE



POLAR RESPONSE WITHOUT WINDSCREEN



POLAR RESPONSE WITH WINDSCREEN



COMPLIANCE REQUIREMENTS

Earthworks Inc. declares that this product has been determined to be in compliance with CE (Conformité Européenne) requirements. The CE label indicates that the product has been assessed and meets the European Union's (EU) safety, health, and environmental requirements. The full text of our CE declaration of conformity is available at the following website: https://earthworksaudio.com/support/documents/eu.

Earthworks Inc. also declares that this product has been determined to be in compliance with UKCA (UK Conformity Assessed) requirements. The full text of our UKCA declaration of conformity is available at the following website: https://earthworksaudio.com/support/documents/uk.

LIMITED WARRANTY

All Earthworks Audio products carry a limited warranty (on parts and labor). Please register your newly purchased Earthworks Audio microphone warranty at: https://www.earthworksaudio.com/support/product-registration/.

This warranty applies to ONLY newly purchased Earthworks Audio microphones from Authorized Dealers. Questions regarding microphones acquired in the secondary-market, should be sent using the contact us form on our website found at https://www.earthworksaudio.com/support/contact/.

Any additional questions or concerns regarding Earthworks Inc. products, should be sent in writing or email to: service@earthworksaudio.com.