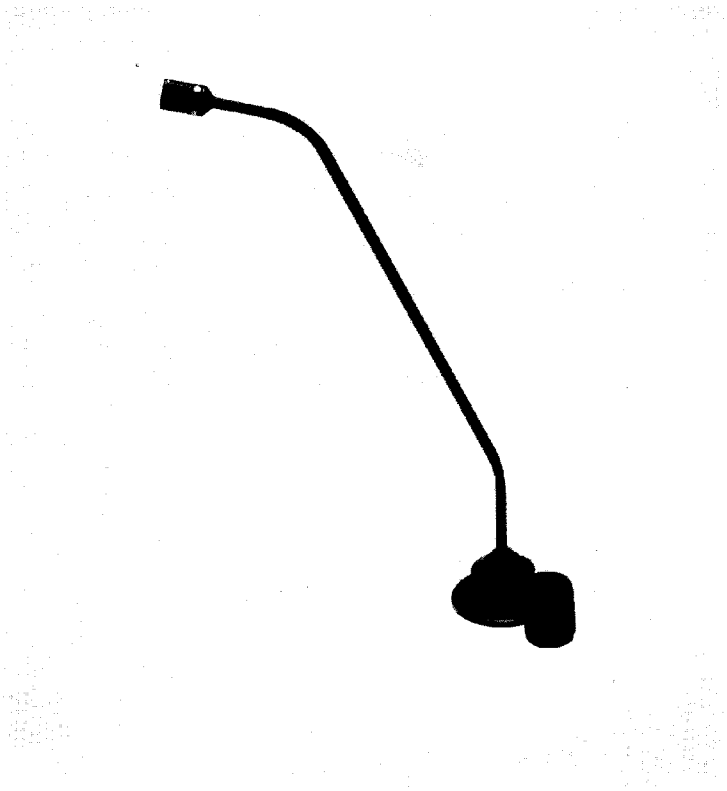

PEAVEY™

PM™ 16S

Electret Condenser Podium Microphone

SPECIFICATIONS

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Element Type:
Electret Condenser

Polar Pattern:
Unidirectional (Cardioid)

Front-to -back Rejection:
20 dB typical

Impedance:

Low-approximately

500 ohms, balanced

Frequency Response:
50 to 20,000 Hz

Sensitivity:

Output Power Level:
-52 dB (0 dB -1 mW/Pascal)

Open Circuit Voltage:
-67 (0 dB =1 Volt/µbar

Signal to Noise Ratio:
Approximately 64 dB re 1 Pascal

Maximum SPL:
124 dB at 1 kHz

Power Requirements:
9-52 volt phantom

Phasing:

Positive (inward) acoustic pressure at diaphragm produces positive voltage at pin #2

Finish:
Low gloss black

Connector:
3 pin XLR type

Weight:
5¼ oz. (149 gm)

Furnished Accessories:
Collet mount, foam windscreen, security clamp

FEATURES:

- **Electret condenser**
- **Cardioid response**
- **Slender, inconspicuous styling**
- **Smooth, extended frequency response for natural speech and music reproduction**
- **Excellent feedback rejection**
- **Full shielding for rejection of hum and RF fields**
- **Simple and versatile positioning adjustments**
- **Variety of mounting options**
- **Collet type mounting flange with mechanical isolation provided**
- **Security lock provision to deter unauthorized removal from mounting**
- **Readily powered from any 9-52 volt phantom source**

DESCRIPTION

The PM™ 16S microphone offers a unique combination of features which ideally suit it to virtually any lectern, podium, rostrum or similar application.

For positioning, the flexible arm consists of a length of flexible tubing with a rigid central section. The two flexible ends permit a nearly infinite choice of microphone positions, while preserving a neat and clean appearance. In the collet mount, an additional 2½ inches of height adjustment is readily available.

The wide frequency response is subtley tailored for natural voice reproduction with optimum articulation. Off-axis rejection is carefully engineered for effective suppression of feedback and effects of reverberation. The entire microphone assembly is shielded to guard against hum and RF pick-up.

The collet mount supplied with the PM 16S provides much needed mechanical isolation to minimize pick-up of structure-borne noise and mechanically coupled feedback.

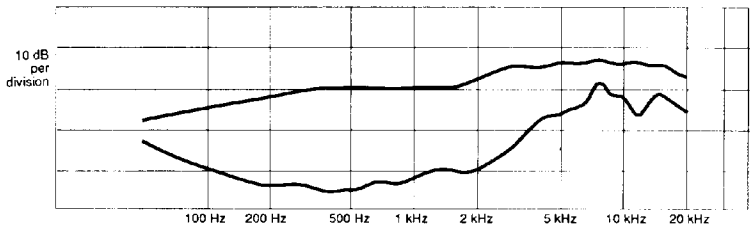
The simple clamping device also supplied effectively locks the microphone into the collet mount to deter theft or improper removal.

Alternatively, the PM 16S may be directly plugged into an XLR type receptacle, or mounted to a microphone stand or boom with a conventional microphone stand adaptor.

Any phantom power source designed to supply between 9 and 52 volts will properly power the unit.

The built-in "pop" filter should prove adequate in normal lectern type applications. For extreme situations, a foam windscreen is supplied.

All of these features are combined in a clean, functional and inconspicuous design in the PM 16S microphone, making it an appropriate and effective choice for almost any environment.



FREQUENCY RESPONSE

COLLET MOUNT INSTALLATION

Take out template. (Note: Use of the template is important to assure the required clearance between the output module and sides of the hole.) Locate template at desired position on lectern. (Near the upper right or left corner of the reading surface is often most practical.)

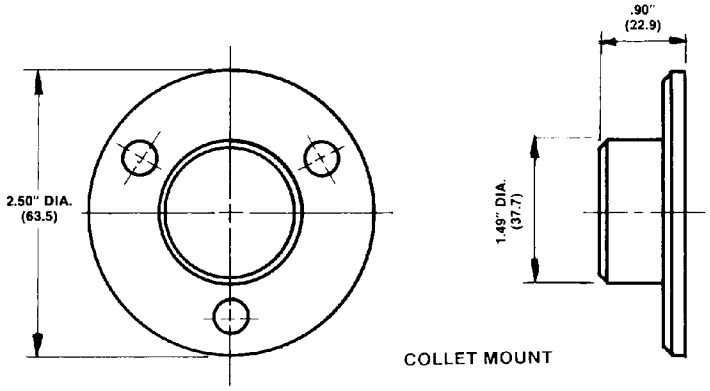
Tape template in place temporarily and mark location of center clearance hole and 3 mounting screws.

Remove template and drill 1 inch center clearance hole and $^{3}/_{32}$ inch screw pilot holes. Attach mount to lectern surface with 3 screws supplied.

Insert connector end of microphone into top of collet mount and gently press in to desired depth. Connector end must penetrate lower suspension washer. (Caution: Do not allow output module cap to rest on collet collar top.)

Turn collet collar (knurled) to adjust tension on the suspension system - clockwise to tighten, counter clockwise to loosen. (Optimum tension is only enough to prevent the microphone from sliding downward from its own weight.)

Holding microphone to prevent it from moving up, connect microphone cable connector firmly into receptacle at output module end.



COLLET MOUNT

SECURITY LOCK PROVISION

After installation of the microphone into the collet mount, simply slip clamp around cable and position at connector end of the Output Module beneath the mounting surface. Engage jaws and tighten securely by squeezing with fingers or pliers.

While the clamp and connector are in place, the microphone cannot be removed from the mounting -- preventing theft and protecting the shock suspension washers from damage likely if the connector is pulled through them.

To remove the microphone, disconnect the cable and remove the clamp by sliding one jaw section downward until teeth disengage.

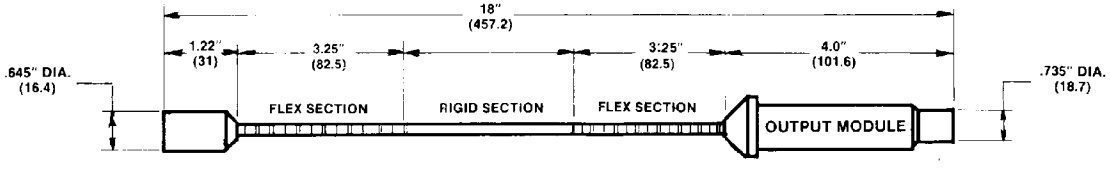
CAUTIONS:

Neither the Output Module nor the security clamp should be allowed to touch the Collet Mount or the mounting surface to preserve maximum vibration isolation.

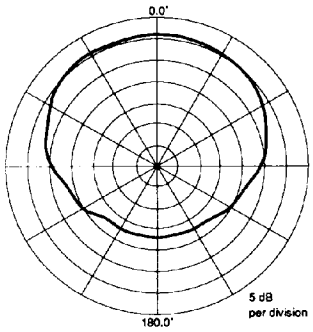
Do attempt to bend the rigid section of the arm assembly. Sufficient adjustment should be available in the flex sections.

ONE YEAR LIMITED WARRANTY —

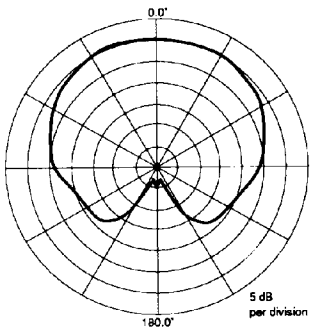
NOTE: For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P. O. Box 2898, Meridian, Mississippi 39302-2898.



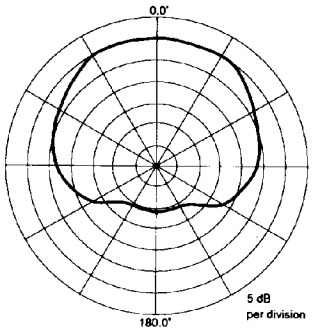
DIMENSIONS
INCHES
(MILLIMETERS)



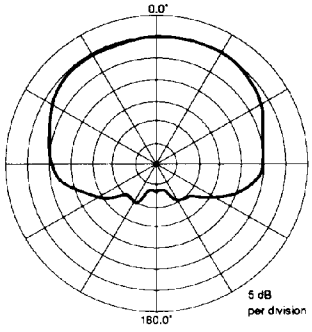
100Hz



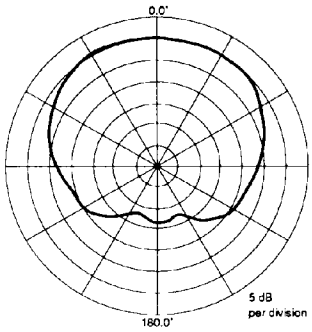
250Hz



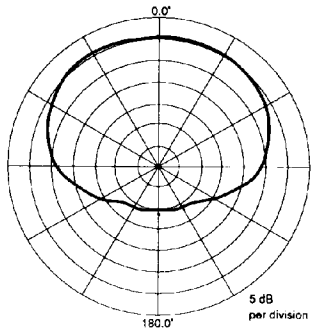
500Hz



1K

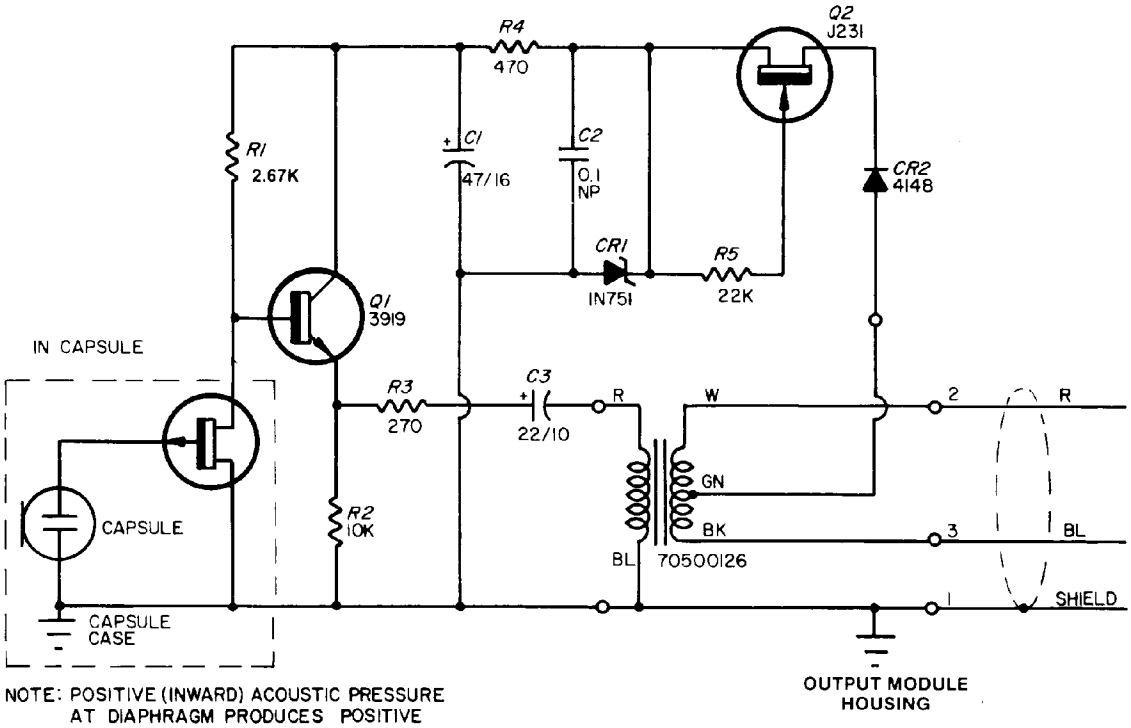


2.5K



5K

POLAR PATTERNS



NOTE: POSITIVE (INWARD) ACOUSTIC PRESSURE AT DIAPHRAGM PRODUCES POSITIVE VOLTAGE AT PIN # 2

Features and specifications subject to change without notice.

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Printed in U.S.A. 3/94