



## PRO 45 Cardioid Condenser Hanging Microphone

### BENEFITS

- Hi-SPL handling is ideal for suspension over medical procedure areas
- Wide-range condenser element with low-mass diaphragm for superior performance
- Self-contained electronics eliminate need for external power modules
- Flat, smooth frequency response
- 25' (7.6 m) cable permanently attached between microphone and XLRM-type connector

The PRO 45 is a wide-range condenser microphone with a cardioid (unidirectional) polar pattern. It was designed for high-quality sound reinforcement and other demanding sound pickup applications. With robust construction and unobtrusive appearance, the PRO 45 offers versatile sound-reinforcement solutions for speech, theater, orchestra and choir sound reinforcement and recording. The microphones' high-SPL handling is perfect for suspension over choirs and orchestras.

The PRO 45 features a 25' (7.6 m) permanently-attached miniature cable with an XLRM-type connector, which allows it to be plugged directly into an XLRM-type jack or cable connector. The unit's integral electronics can be powered from any external electronics can be powered from any external 9V to 25V DC phantom power source.

A flexible suspension-mounting bracket is included to allow for proper aiming of the microphone element for maximum pick up with minimum background noise.

### Design Information

POLAR PATTERN Cardioid  
FREQUENCY RESPONSE 70-16,000 Hz  
IMPEDANCE 100 ohms  
9-52V DC, 2 mA typical  
WEIGHT 0.5 oz (15 g)  
DIMENSIONS 2.24" (56.9 mm) long,  
0.47" (12.0 mm) head diameter

### Architects' and Engineers' Specifications

The hanging microphone shall be a wide-range condenser type with cardioid (unidirectional) polar pattern. The microphone shall include a flexible suspension-mounting bracket, a 9.8' (3.0m) permanently-attached miniature cable, and operate on any external 9V to 52V DC phantom power source. The microphone element shall be enclosed in a rugged housing with low-reflectance black finish. The hanging microphone shall be Tech Works PRO 45.

## Tech Works™

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