

PRO 47T & PRO 47TL



Cardioid Condenser Thread-Mount Gooseneck Microphones

propoint® microphones



Features

- Direct mounts to any 5/8"-27 stand, or to included threaded mounting stud
- Wide-range condenser element with low-mass diaphragm for superior performance
- Cardioid polar pattern with 120° acceptance angle
- Self-contained electronics eliminate need for external power modules
- Flat, smooth frequency response
- Quiet, fixed-placement, long-life gooseneck
- Foam windscreen offers resistance to P-pops and other breath blasts
- 3.0 m (9.8') cable permanently attached between microphone and XLRM-type connector

Description

The PRO 47T is a wide-range condenser microphone with a cardioid polar pattern. It is designed to provide clear, intelligible sound reproduction in a wide range of settings, such as conferences, courtrooms, houses of worship and other demanding sound pickup applications.

The small-diameter double gooseneck design permits highly flexible positioning while maintaining a smooth, well-contoured appearance. The PRO 47T stands 315.0 mm (12.40") from the table or podium; it is also available in a 401.0 mm (15.79") version as PRO 47TL. The two models are identical in all other respects.

The microphone requires 9V to 52V phantom power for operation.

The microphone's cardioid polar pattern provides a 120° angle of acceptance.

The microphone includes a 3 m (9.8') permanently attached cable with an XLRM-type connector, which allows it to be plugged directly into an XLR-type jack or cable connector.

The microphone comes equipped with a foam windscreen and a 5/8"-27 threaded mounting stud for securing the microphone to a permanent mounting surface. The microphone is enclosed in a rugged housing with a low-reflectance black finish.

Operation and Maintenance

The PRO 47T requires 9V to 52V phantom power for operation.

Output low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot"—positive acoustic pressure produces positive voltage at Pin 2.

The provided foam windscreen simply slips over the head of the microphone, effectively reducing wind noise or popping.

Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

Architect's and Engineer's Specifications

The microphone shall be a fixed-charge condenser designed for permanent installation or portable applications. It shall have a cardioid polar pattern with a uniform 120° angle of acceptance and a frequency response of 70 Hz to 16,000 Hz. The microphone shall operate from an external 9V to 52V DC phantom power source. It shall be capable of handling sound input levels up to 134 dB with a dynamic range of 106 dB. Nominal open-circuit output voltage shall be 14.1 mV at 1V, 1 Pascal. Output shall be low impedance balanced (100 ohms).

The microphone shall have a 3 m (9.8') permanently attached miniature cable terminating in an XLRM-type connector.

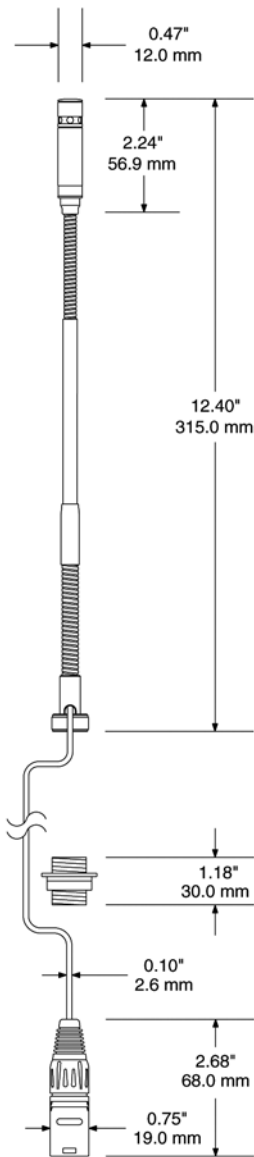
A 5/8"-27 threaded stud shall be provided for permanent installation to a mounting surface. A foam windscreen shall also be included.

The microphone shall be a small-diameter alternating gooseneck design, with an overall length of 315.0 mm (12.40") [401.0 mm (15.79")] and a head diameter of 12.0 mm (0.47"). Weight shall be 63 grams (2.2 oz) [67 grams (2.4 oz)]. Finish shall be low-reflectance black.

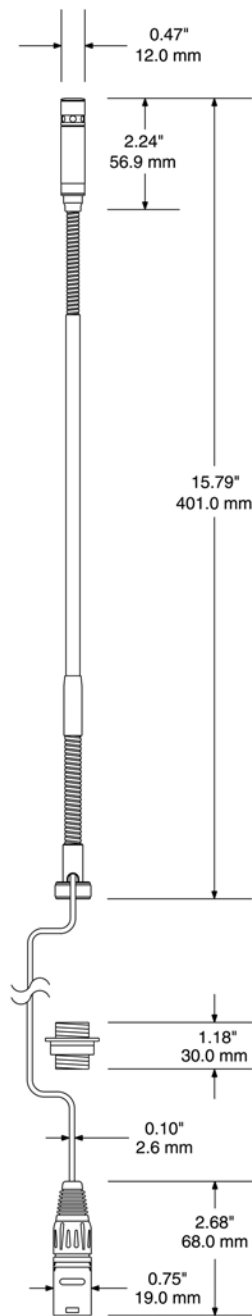
The Audio-Technica PRO 47T [PRO 47TL] is specified.

PRO47T & PRO47TL

PRO 47T



PRO 47TL



Specifications

Element	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Cardioid
Frequency response	70-16,000 Hz
Open circuit sensitivity	-37 dB (14.1 mV) re 1V at 1 Pa
Impedance	100 ohms
Maximum input sound level	134 dB SPL, 1 kHz at 1% T.H.D.
Dynamic range (typical)	106 dB, 1 kHz at Max SPL
Signal-to-noise ratio¹	66 dB, 1 kHz at 1 Pa
Phantom power requirements	9-52V DC, 2 mA typical
Weight	PRO 47T: 63 g (2.2 oz) PRO 47TL: 67 g (2.4 oz)
Dimensions	PRO 47T: 315.0 mm (12.40") long, 12.0 mm (0.47") head diameter PRO 47TL: 401.0 mm (15.79") long, 12.0 mm (0.47") head diameter
Output connector	3-pin XLRM-type on cable
Cable	3.0 m (9.8') cable permanently attached between microphone and XLRM-type connector
Audio-Technica case style	M22
Accessories furnished	AT8146 windscreen; AT8425 5/8"-27 threaded mounting stud

In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

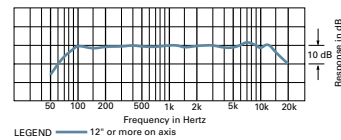
¹ 1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

¹ Typical, A-weighted, using Audio Precision System One.

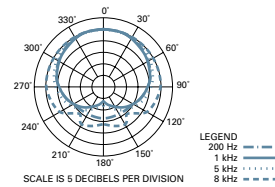
Specifications are subject to change without notice.



frequency response: 70–16,000 Hz



polar pattern



 **audio-technica**

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