

# PRO 35ax

CARDIOID CONDENSER CLIP-ON  
INSTRUMENT MICROPHONE



- Ideal for sax, toms, brass and percussion
- Excels in high-SPL applications
- Perfect for active stage performances
- Extended frequency response captures subtle nuances of the performance
- UniMount® clip permits accurate positioning, provides shock resistance and protects element
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source

The PRO 35ax is intended for use in professional applications where remote power is available. It requires 11V to 52V DC phantom power, which may be provided by a mixer or console, or by a separate, in-line source such as the Audio-Technica AT8801 single-channel or CP8506 four-channel phantom power supplies.

An integral 80 Hz high-pass filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

Output from the power module's XLRM-type connector is 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.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc.

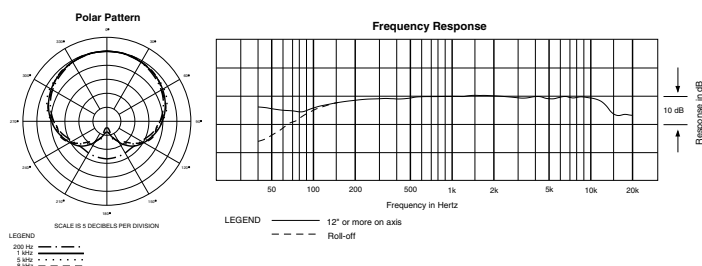
Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

## PRO 35ax SPECIFICATIONS†

<b>ELEMENT</b>	Fixed-charge back plate permanently polarized condenser
<b>POLAR PATTERN</b>	Cardioid
<b>FREQUENCY RESPONSE</b>	50-15,000 Hz
<b>LOW FREQUENCY ROLL-OFF</b>	80 Hz, 12 dB/octave
<b>OPEN CIRCUIT SENSITIVITY</b>	-45 dB (5.6 mV) re 1V at 1 Pa*
<b>IMPEDANCE</b>	250 ohms
<b>MAXIMUM INPUT SOUND LEVEL</b>	145 dB SPL, 1 kHz at 1% THD
<b>DYNAMIC RANGE</b> (typical)	115 dB, 1 kHz at Max SPL
<b>SIGNAL-TO-NOISE RATIO</b> †	64 dB, 1 kHz at 1 Pa*
<b>PHANTOM POWER REQUIREMENTS</b>	11-52V DC, 4 mA typical
<b>SWITCH</b>	Flat, roll-off
<b>WEIGHT</b> (less cable and accessories)	
<b>MICROPHONE</b>	0.3 oz (8 g)
<b>POWER MODULE</b>	2.0 oz (56 g)
<b>DIMENSIONS</b>	
<b>MICROPHONE</b>	0.98" (25.0 mm) long, 0.40" (10.2 mm) diameter
<b>POWER MODULE</b>	3.86" (98.0 mm) long, 0.74" (18.9 mm) diameter
<b>OUTPUT CONNECTOR</b> (power module)	Integral 3-pin XLRM-type
<b>CABLE</b>	Integral 6' (1.8 m) permanently attached between microphone and power module
<b>ACCESSORIES FURNISHED</b>	AT8418 UniMount® microphone instrument mount; AT8536 power module; soft protective pouch

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

\*1 Pascal = 10 dynes/cm<sup>2</sup> = 10 microbars = 94 dB SPL  
† Typical, A-weighted, using Audio Precision System One. Specifications are subject to change without notice.



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