

ATM350 CARDIOID CONDENSER CLIP-ON MICROPHONE

ARTIST SERIES™



- Low-profile design for minimum visibility
- Attaches to brass, reeds, piano, acoustic bass, snare, toms, and violin
- UniMount® clip permits accurate positioning, provides shock resistance and protects element
- Unique violin mount permits unobtrusive placement of microphone between the instrument's bridge and tailpiece
- Crisp, clear, well-balanced response, even at high SPLs
- Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Interchangeable elements available for hypercardioid and omnidirectional polar patterns
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- Rugged, all-metal design and construction for years of trouble-free use

The ATM350 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.

To use the violin mount, place the microphone in the violin mount's elastic mic holder. Open the hook & loop fastener; pass the hook side of the open fastener beneath the strings between the bridge and the tailpiece. Close the fastener flap around the strings. The microphone should be on top, with the element facing the bridge (away from the tailpiece).

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.

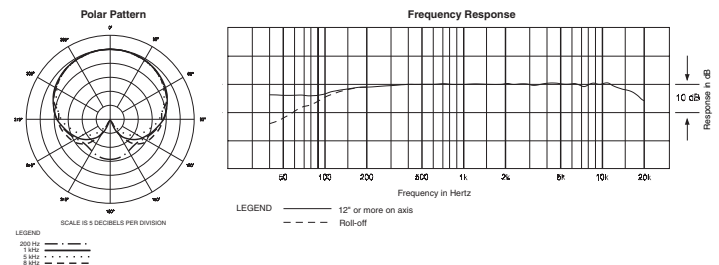
ATM350 SPECIFICATIONS[†]

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Cardioid
FREQUENCY RESPONSE	40-20,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY	-49 dB (3.5 mV) re 1V at 1 Pa*
IMPEDANCE	50 ohms
MAXIMUM INPUT SOUND LEVEL	149 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	122 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[†]	67 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 3.5 mA typical
SWITCH	Flat, roll-off
WEIGHT (less cable and accessories)	
MICROPHONE	14.5 g (0.5 oz)
POWER MODULE	81.2 g (2.9 oz)
DIMENSIONS	
MICROPHONE	37.8 mm (1.49") long, 12.2 mm (0.48") diameter
POWER MODULE	92.9 mm (3.66") long, 18.9 mm (0.74") diameter
OUTPUT CONNECTOR (power module)	Integral 3-pin XLRM-type
CABLE	4.0 m (13.1') long (permanently attached to microphone), 3.2 mm (0.13") diameter, 2-conductor shielded cable with TA3F-type connector
ACCESSORIES FURNISHED	AT8542 power module; AT8418 UniMount® microphone instrument mount; AT8468 violin mount; 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/cm² = 10 microbars = 94 dB SPL

[†] Typical, A-weighted, using Audio Precision System One. Specifications are subject to change without notice.



Audio-Technica U.S., Inc., 1221 Commerce Drive, Stow, Ohio 44224
Audio-Technica Limited, Old Lane, Leeds LS11 8AG England
www.audio-technica.com

