ATM250

HYPERCARDIOID DYNAMIC INSTRUMENT MICROPHONE

ARTIST SERIES™

- Frequency response tailored for kick drum, percussion, brass, and other highly dynamic instruments

- Handles very high SPL at close range

- Big, warm low-frequency response with excellent presence

- Hypercardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source

- Durable performance for professional applications

- Hi-ENERGY® neodymium magnet for improved output and transient response

- Superior off-axis rejection for maximum gain before feedback

- Corrosion-resistant contacts from gold-plated XLRM-type connector

- Rugged, all-metal design and construction for years of trouble-free use

- Includes isolation clamp for shock protection, secure mounting and easy positioning

Output from the microphone'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.

The ATM250 includes an AT8471 isolation clamp to provide secure mounting, versatile positioning and effective dampening of unwanted mechanical noise.

Take care to keep foreign particles from entering the windscreen. An accumulation of iron or steel filings on the diaphragm, and/or foreign material in the windscreen's mesh surface, can degrade performance.
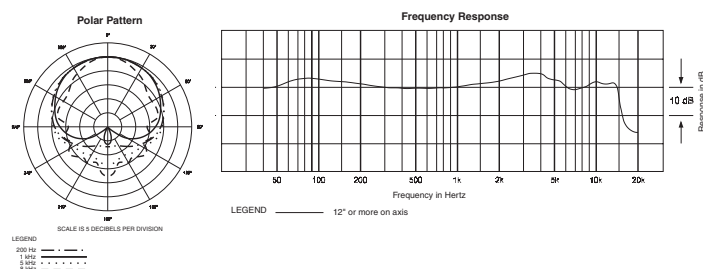
ATM250 SPECIFICATIONS†

ELEMENT	Dynamic
POLAR PATTERN	Hypercardioid
FREQUENCY RESPONSE	40-15,000 Hz
OPEN CIRCUIT SENSITIVITY	–54 dB (1.9 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms
WEIGHT	252 g (8.9 oz)
DIMENSIONS	127.5 mm (5.02") long, 55.0 mm (2.17") diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8471 isolation clamp for ⁵/₈"-27 threaded stands; ⁵/₈"-27 to ³/₈"-16 threaded adapter; 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
Specifications are subject to change without notice.

Polar Pattern

SCALE IS 5 DECIBELS PER DIVISION

LEGEND
200 Hz
1 kHz
5 kHz
8 kHz

Frequency Response

Response in dB

Frequency in Hertz

LEGEND ———— 12" or more on axis

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