

ATM250

Hypercardioid Dynamic Instrument Microphone



artist series live sound microphones



Features

- 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
- Rare-earth magnet for improved output and transient response
- Hypercardioid polar pattern provides maximum feedback rejection and isolation of desired sound source
- Rugged all-metal design and construction for years of trouble-free use
- Corrosion-resistant contacts from gold-plated XLRM-type connector
- Isolation clamp provides secure mounting, versatile positioning and effective dampening of unwanted mechanical noise

Description

The ATM250 is a dynamic microphone with a hypercardioid polar pattern. It is designed specifically for musical instrument pickup in the studio and on stage.

The hypercardioid polar pattern of the microphone is more sensitive to sound originating directly in front of the element, making it useful for controlling feedback and reducing pickup of unwanted sounds.

The output of the microphone is a 3-pin XLRM-type connector.

The microphone is enclosed in a rugged housing. The included AT8471 isolation clamp permits mounting on any microphone stand with $\frac{5}{8}$ "-27 threads. A soft protective pouch is also included.

Operation and Maintenance

Output 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.

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.

To reduce the environmental impact of a multi-language printed document, product information is available online at www.audio-technica.com in a selection of languages.

Afin de réduire l'impact sur l'environnement de l'impression de plusieurs langues, les informations concernant les produits sont disponibles sur le site www.audio-technica.com dans une large sélection de langue.

Para reducir el impacto al medioambiente, y reducir la producción de documentos en varios leguajes, información de nuestros productos están disponibles en nuestra página del Internet: www.audio-technica.com.

Para reduzir o impacto ecológico de um documento impresso de várias linguas, a Audio-Technica providência as informações dos seus produtos em diversas linguas na www.audio-technica.com.

Per evitare l'impatto ambientale che la stampa di questo documento determinerebbe, le informazioni sui prodotti sono disponibili online in diverse lingue sul sito www.audio-technica.com.

Der Umwelt zuliebe finden Sie die Produktinformationen in deutscher Sprache und weiteren Sprachen auf unserer Homepage: www.audio-technica.com.

Om de gevolgen van een gedrukte meertalige handleiding op het milieu te verkleinen, is productinformatie in verschillende talen "on-line" beschikbaar op: www.audio-technica.com.

本公司基於減少對環境的影響，將不作多語言文件的印刷，有關產品訊息可在 www.audio-technica.com 的官方網頁上選擇所屬語言及瀏覽。

本公司基于减少对环境的影响，将不作多语言文档的印刷，有关产品信息可在 www.audio-technica.com 的官方网页上选择所属语言和浏览。

자원절약, 환경보호를 위해 국문 사용 설명서는 인쇄하지 않았습니다. 제품정보는 www.audio-technica.com 에서 원하는 언어 선택 후에 다운로드 받으실 수 있습니다.

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
Audio-Technica case style	R9
Accessories furnished	AT8471 isolation clamp for $\frac{5}{8}$ "-27 threaded stands; $\frac{5}{8}$ "-27 to $\frac{3}{8}$ "-16 threaded adapter; soft protective pouch

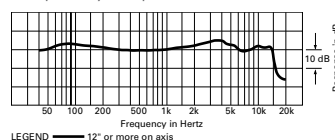
In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

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

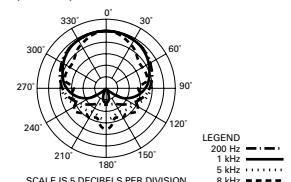
Specifications are subject to change without notice.



frequency response: 40–15,000 Hz



polar pattern



Audio-Technica Corporation
audio-technica.com ©2015 Audio-Technica

P#1423-10950B P52564