ATM230

Hypercardioid Dynamic Instrument Microphone

ARTIST SERIES™

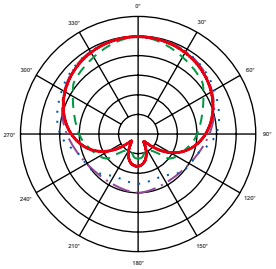
Specifications

Element	Dynamic
Polar pattern	Hypercardioid
Frequency response	30-12,000 Hz
Open circuit sensitivity	-54 dB (1.9 mV) re 1V at 1 Pa
Impedance	600 ohms
Weight	292 g
Dimensions	82.5 mm - long, 38.0 mm - maximum diameter
Output connector	Integral 3-pin XLRM-type
Accessories furnished	AT8665 drum mount for 5/8"-27 threaded adapter; 5/8"-27 to 3/8"-16 threaded adapter; Soft protective pouch

Features

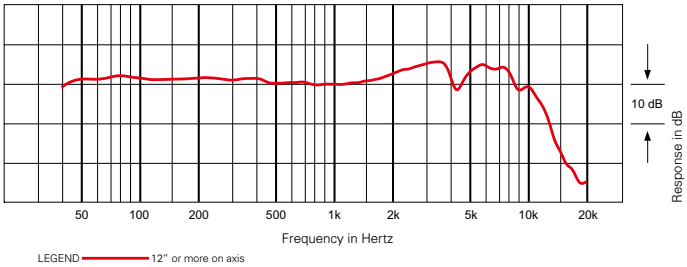
- **Tailored to capture sound from rack and floor toms, snare drums and other percussion instruments**
- **Handles very high SPL at close range**
- **Hypercardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source**
- **Rare earth magnet for improved output and transient response**
- **Low-profile design permits versatile placement around drum kit**
- **Rugged, all-metal construction ensures dependable performance in live-music and studio applications**
- **Integral 5/8"-27 threaded stand clamp works with included drum mount to permit mounting of mic to drum rim**

polar pattern



SCALE IS 5 DECIBELS PER DIVISION

frequency response



Description

The ATM230 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 and is outfitted with an integral 5/8"-27 threaded stand clamp. The included AT8665 drum mount screws into the stand clamp to permit mounting of the ATM230 to the rim of a drum. A soft protective pouch is also included.

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.

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

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.

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FORM No. ATGC-L0333-16-E

ATM230

超心形指向性动圈式乐器话筒

ARTIST SERIES™

技术指标

收音头	动圈式
指向特性	超心形指向性
频率响应	30-12,000 Hz
开通灵敏度	-54 dB (1.9 mV) 以 1V 于 1 Pa
输出阻抗	600 欧姆
重量(不带连线与配件)	292 克
外形尺寸	82.5 mm - 长度, 38.0 mm - 最大直径
输出连接器	内置 XLRM-3 针卡农公头
附属品	AT8665 带5/8"-27接头鼓框夹，5/8"-27至3/8"-16转接头，保護袋。

特性

- **特别为收录来自架子鼓及落地鼓、小军鼓及其他敲击乐器的声音而定制。**
- **能处理近距离及非常高的声压收音**
- **超心形指向性设计，减低旁边及后方的噪声干扰，提高收音目标的隔离度**
- **以稀土磁体结构，能改善输出和瞬间响应**
- **低调的设计使话筒可不显眼地在套鼓的周围设置**
- **坚固的全金属结构，可确保在现场演出和演播室应用时的可靠性能**
- **整合的5/8"-27螺纹话筒架，可配合附属的鼓框夹使用，以便把话筒安装到鼓边**

说明

ATM230是一枚超心形指向性动圈话筒，专为录音棚和舞台上的乐器收音而设计。

话筒的超心形指向性设计，能为前端的声音作更敏感收音，是直接和音源引起感应的重要元素，有利于控制反馈和减少不必要的声音干扰。

ATM230封装在一个坚固的外壳中，并整合了5/8"-27螺纹话筒架，附属的的AT8665鼓框夹可直接安装到话筒上，再能将话筒安装到鼓边，另外亦附有软质保护存放袋。

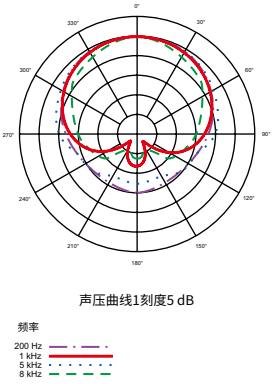
话筒的XLRM卡农输出端为低阻抗平衡输出，话筒音频信号最终以卡农公头的2号及3号针脚输出，而1号针脚则为地线(屏蔽)连接。输出相位将以正相位电平设于2号针脚上。

为避免出现相位相互抵消而失真的情况，所有话筒连接时，接线必需以1-1，2-2，3-3型式把针脚连接。

避免将话筒留在日晒或长时间置于温度超过43°C的地方，而极高湿度也应避免。

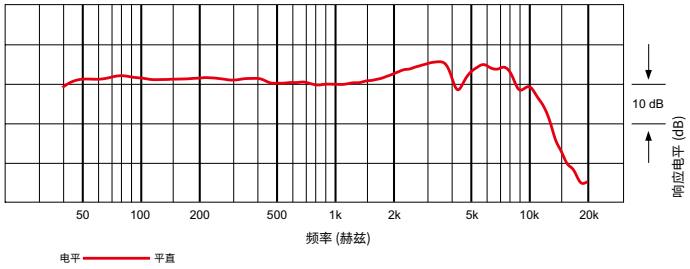
小心不要把金属碎或铁屑掉进防风罩内，铁屑会吸进收音头磁铁中，或贴在防风罩内，将会影响及减低收音效果。

指向特性



声压曲线1刻度5 dB

频率特性



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