

AT850/H

AT SERIES

HYPERCARDIOID CONDENSER GOOSENECK MICROPHONE



- Designed for high-quality sound reinforcement and other demanding sound pickup situations.
- Hypercardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source.
- Small diameter gooseneck is very easy to manipulate for proper positioning. It is heavily lubricated to offer very smooth and quiet operation.
- The integral power module can be powered from any external 11V to 52V phantom power supply.

- Self-contained unit ready to plug into a mating XLR-type panel jack or cable connector.
- Snap-on foam windscreen simply slips over the head of the microphone, effectively reducing wind noise or 'popping' when used extra-close.
- Optional shock mount attenuates noise, vibration and shock transmitted through the mounting surface.

The microphone is enclosed in a rugged housing with a low-reflectance black finish. It features an XLRM-type connector insert at its base, allowing it to be plugged directly into an XLR-type panel jack or microphone cable.

The AT850/H stands 429 mm from the table or podium. The model output is low impedance balanced. The output connector mates with XLR-type cable connectors. The balanced signal appears across Pins 2 and 3, while the ground (shield) connection is Pin 1. Output is phased so that positive acoustic pressure produces positive voltage at Pin 2, in accordance with industry convention.

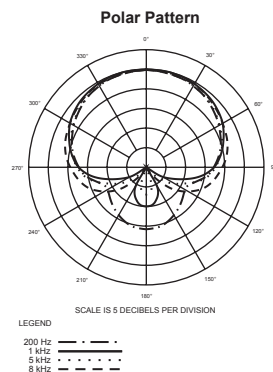
The microphone is equipped with UniGuard® RFI-shielding technology, which offers outstanding rejection of radio frequency interference (RFI). The microphone is RoHS compliant – free from all substances specified in the EU directive on hazardous substances.

The high sensitivity of the AT850/H ensures useful output and an excellent match to most mixer, type recorder and amplifier inputs. It will provide undistorted output even in sound fields as loud as 129 dB SPL. However, due to the high sensitivity, in some instances it may be possible to overload sensitive input stages.

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.

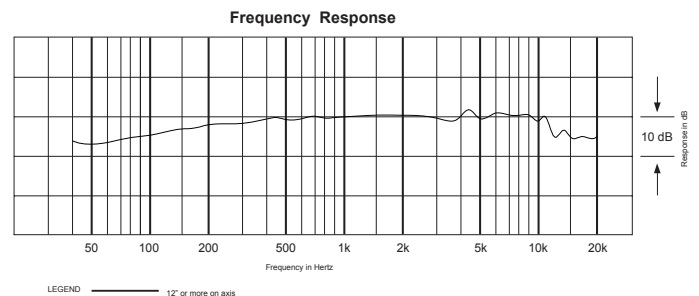
SPECIFICATIONS

ELEMENT	Back electret condenser
POLAR PATTERN	Hypercardioid (Unidirectional)
FREQUENCY RESPONSE	70 - 20,000 Hz
OPEN CIRCUIT SENSITIVITY	-35 dB (17.8 mV) re 1V at 1 Pa
IMPEDANCE	100 ohms
MAXIMUM INPUT SOUND LEVEL	129 dB SPL, 1 kHz at 1% T.H.D.
SIGNAL-TO-NOISE RATIO	>68 dB, 1 kHz at 1 Pa
PHANTOM POWER REQUIREMENTS	11-52V DC, 2 mA typical
WEIGHT	97 g
DIMENSIONS	429 mm - long, 12.0 mm - head diameter, 18.9 mm - base diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8146 foam windscreen



Optional Accessories:

- AT8201 line matching transformer (Lo-z to 50,000 ohms)
- AT8202 adjustable in-line attenuator for use with low-impedance microphones.
- AT8651 threadmount adapter.
- AT8506 four-channel 48V phantom power supply (AC powered).
- AT8801/EU single-channel 48V phantom power supply (AC powered).



AT850/H

AT SERIES

超心形指向性 快速安装式 专业型鹅颈式会议话筒



- 设计于高质量收音、电视广播、会议等高要求的收音应用。
- 超心形指向性设计，减低旁边及后方的噪音干扰，提高收音目标的隔离度。
- 纤细的鹅颈弯曲结构，可快速及随意地把话筒收音头固定在合适的位置。易于调节、耐用、非常平滑及宁静的使用。
- 内置有供电模组，能使用外接11V至52V的直流幻象供电工作。

- 话筒接线端为标准的3针卡农公头XLRM，可连接到以任何以3针卡农母头XLRF设计的会议话筒座上。
- 附有防风海棉罩，可减低在讲话时收到不雅的喷气声及其他风声的情况出现。
- 可选配桌面防震话筒座，把话筒固定安装在桌面或其他板面上，并能减低碰撞平面时产生的敲击声及震动声。

话筒外壳使用耐用的合金铸造，并涂上黑色不反光涂层。底部接线端为标准的 XLRM-3 卡农公头，可连接到任何以 XLRF-3 设计的会议话筒上。

AT850/H全长为429mm，可安装在桌面或控制板上使用。以直流11V至52V幻象供电工作。低阻抗的平衡音频输出，音频信号以卡农公头的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。

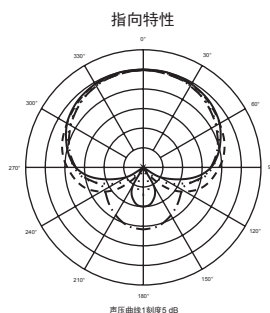
话筒配备有 UniGuard® - 射频干扰(RFI)屏蔽技术，提供杰出的防止射频干扰能力，避免收音时受到如手提电话等的干扰。话筒亦符合RoHS规格，在构造上不含有欧盟禁用的危害性物质。

AT850/H的高灵敏度特性是十分适合于大部份混音器、录音机和放大器的输入。在高达129dB的声压环境下仍能提供无失真输出。由于高度的灵敏度，能应用于部份灵敏度为超负载输入的场所。

把话筒暴露于高温中可能导致输出电平逐渐及永久性减弱，应避免将话筒留在日晒的地方或长时间置于温度超过43°C的地方，而极高湿度也应避免。

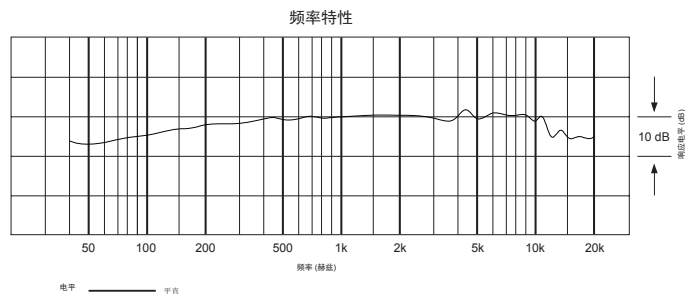
技术指标

收音头	背板静电型电容式
指向特性	超心形单指向性
频率响应	70 - 20,000 Hz
开通灵敏度	-35 dB (17.8 mV) 以 1V 于 1 Pa
输出阻抗	100 欧姆
最大承受声压	129 dB 声压, 1 kHz 于 1% T.H.D.
讯噪比	>68 dB, 1 kHz 于 1 Pa
幻象供电	直流 11-52V, 耗电 2 mA 典型
重量	97 克
外形尺寸	429 mm - 长 12.0 mm - 收音头直径, 18.9 mm - 底部插头直径
输出连接器	内置式3针卡农公头
附属品	AT8146 防风海棉罩



选择配件:

- AT8201 话筒线路匹配变压器 (低阻抗至50,000欧姆)。
- AT8202 可选式低阻抗话筒电平衰减器。
- AT8651 转接器。
- AT8506 四通通48V幻象供电电器 (交流供电)。
- AT8801/EU 单通道48V幻象供电电器 (交流供电)。



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