



### ProPoint MICROPHONES



Thank you for purchasing this product. Before using the product, read through the user manual to ensure that you will use the product correctly. Please keep this manual for future reference.

### ■ Description

The PRO 40Q is a wide-range condenser microphone with a cardioid (unidirectional) polar pattern. It was designed for high-quality sound reinforcement and other demanding sound pickup situations.

The PRO 40Q features an XLRM-type connector insert at its base, allowing it to be plugged directly into an XLRF-type jack or cable connector. The unit's integral electronics can be powered from any external 9V to 52V DC phantom power source.

The small-diameter gooseneck is very easy to manipulate for proper positioning. It is heavily lubricated to offer very smooth and quiet operation. The microphone element is enclosed in a rugged housing with a low-reflection black finish.

### ■ Operation and Maintenance

Output is low impedance balanced. The output connector mates with XLRF-type 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.

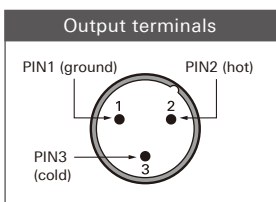
DC phantom power (9-52 volts) must be applied equally to Pins 2 and 3, with the ground for the power supply connected to Pin 1. This can be provided by a console or mixer with built-in phantom voltage or with the addition of an in-line phantom power supply.

The high sensitivity of the PRO 40Q 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 134 dB SPL. However, due to the high sensitivity, in some instances it may be possible to overload sensitive input stages.

While a modern condenser microphone is not unduly sensitive to the environment, temperature extremes can be harmful. Exposure to high temperatures can result in gradual and permanent reduction of the output level. Avoid leaving the microphone in the open sun or in areas where temperatures exceed 43°C for long periods of time. Extremely high humidity should also be avoided.

### ■ Connection procedure

Connect the output terminals of the microphone to a device that has a microphone input (balanced input) compatible with a phantom power supply. The output connector is an XLRM-type with polarity as shown in the figure below.



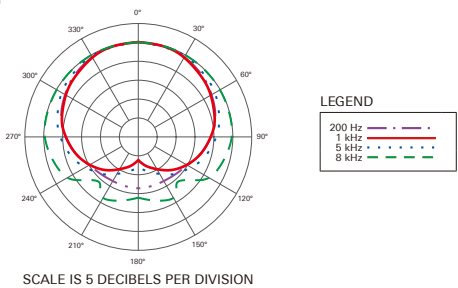
This product requires 48V DC phantom power.

### ■ Specifications

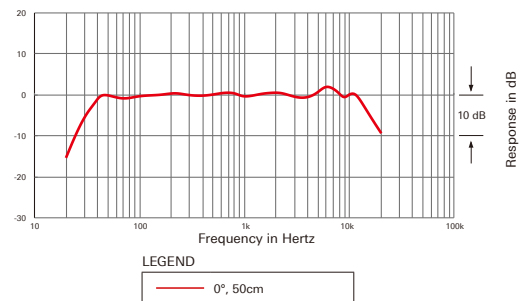
Element	Fixed-charge back plate, permanently polarized condenser
Polar pattern	Cardioid (Unidirectional)
Frequency response	70-16,500 Hz
Open circuit sensitivity	-38 dB (12.6 mV) re 1V at 1 Pa
Impedance	100 ohms
Maximum input sound level	134 dB SPL (1 kHz at 1% THD)
Dynamic range (typical)	106 dB (1 kHz at Max SPL)
Signal-to-noise ratio*	>64 dB (1 kHz at 1 Pa)
Phantom power requirements	9-52 V DC, 2 mA typical
Weight	97 g
Dimensions	12.0 mm head diameter, 421.0 mm long
Output connector	Integral 3-pin XLRM-type
Included accessories	AT8146 foam windscreen

\* 1 Pascal = 10 dynes/cm<sup>2</sup> = 10 microbars = 94 dB SPL  
\* Typical, A-weighted, using Audio Precision System One.  
For product improvement, the product is subject to modification without notice.

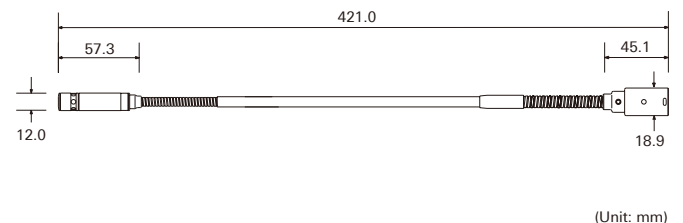
### ■ Polar pattern



### ■ Frequency response



### ■ Dimensions



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# ProPoint

M I C R O P H O N E S



感谢您购买本产品。在使用产品之前，请全文浏览本用户手册以确保您将正确地使用本产品。请妥善保存本手册，以供将来参考。

### 说明

- PRO 40Q 是一枚阔频宽的电容式单指向收音话筒，高质量的收音效能，设计于增强收音、专业录音、电视广播、会议及其他高要求的收音应用
- PRO 40Q 屏的接线端是标准的3针卡农公头 XLRM。可连接到任何以3针卡农母头 XLRF 设计的会议话筒座上，亦可在有需要时直接连接到调音台上，话筒配置有供电模组。使用外接 9V 至 52V 的直流幻象供电工作
- 细小的直径及鹅颈设计，可轻易将收音头灵活调节到任何位置，以达到最佳收音效果
- 话筒外壳是使用耐用的合金铸造，并涂上黑色不反光涂层

### 安装及操作

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，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。

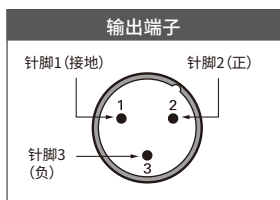
阔频宽的电容式单指向收音话筒，高质量的收音效能，设计于增强收音、专业录音、电视广播、会议及其他高要求的收音应用。

此电容话筒设计于桌面固定安装应用，使用卡农 XLRM-3 连接头，以其频率响应为 70Hz 至 16,500Hz 的心形指向收音头收音，内置音频放大供电模组，工作于外置 9V 至 52V 直流幻象供电，可提供达 134dB 的声压输入电平，而开通灵敏度电平为 -38dB，输出为平衡低阻抗(100欧姆) 3 针卡农公头。

现在的电容话筒虽然不会对环境过度敏感，但在极高或极低的温度下亦可能损坏，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。

### 连接步骤

将话筒的输出端子连接到具有兼容幻象电源的话筒输入(平衡输入)的设备。输出接口是 XLRM 型接口，其极性如下图所示。



本产品使用直流 48V 幻象电源。

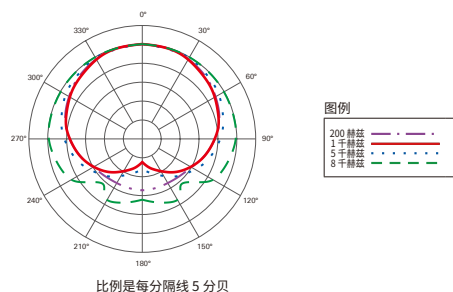
### 规格

元件	固定充电背板,永久极化电容体
指向性	心形指向性(单指向性)
频率响应	70-16,500 Hz
开路灵敏度	-38 dB (12.6mV) re 1V at 1Pa
阻抗	100 欧姆
最大输入声压级	134 dB SPL (1kHz 于 1% THD)
动态范围(典型)	106 dB (1kHz 于最大声压级)
信噪比*	>64 dB (1kHz at 1Pa)
幻象供电	直流 9-52V, 2mA 典型
重量	97克
尺寸	12.0 mm - 收音头直径, 421.0 mm - 长度
输出接口	内置 XLRM-3 针卡农公头
附带配件	AT8146 防风棉

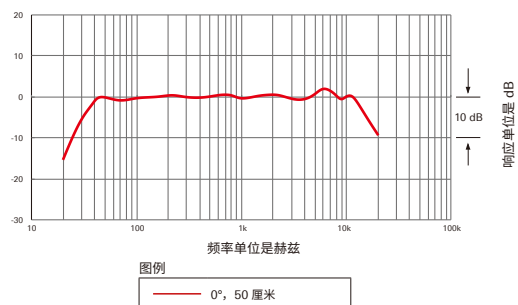
\* 1 帕 = 10 达因 / 平方厘米 = 10 微巴 = 94 dB SPL  
\* 典型, A 计权, 使用 Audio Precision System One

因产品改进, 本产品会随时改装, 恕不另行通知。

### 指向性



### 频率响应



### 尺寸

