

Apex180 *Multi-capsule pencil condenser Microphone*



Specifications:

Type	Small Diaphragm Pencil Condenser
Polar Pattern(s)	omni, cardioid
Frequency Response	30 - 20000 Hz
Sensitivity	14mv/Pa = -40dB (0dB = 1v/Pa) -10dB
Impedance	<250 Ohms
S/N Ratio	76dB
Max SPL	(For 1% THD @ 1000Hz) 125dB
Equivalent Noise	(IEC 268 - 4 - A weighted) 24dB
Included Accessories	Cardioid + Omnidirectional heads, Windsock, microphone clip
Dimensions	5.25inches x inch (133mm x 25.4mm)
Weight	4.4 oz / 125g

The Microphone

The Apex180 pencil microphone is one of the most versatile small condenser microphones available, and is an essential addition to your microphone toolkit. This single microphone outfit is really is two microphones in one. The Apex180 is shipped with two separate interchangeable diaphragm capsules, one with a hypercardioid polar pattern and the other an omnidirectional pattern.

The hypercardioid capsule is ideal for live sound reinforcement applications and recording applications where wide dynamic range and good off-axis rejection is required. The Omnidirectional capsule can be used where in the studio or for live recording where off-axis rejection isn't an issue, and the engineer wants to limit proximity effect or needs a wider non-directional pickup pattern.

Changing the capsules is a very simple procedure. Simply unscrew the head of the microphone and replace with the alternate capsule to change from omnidirectional to the cardioid pattern or vice versa. Do not over tighten the capsule, and pay particular attention to the threading of the capsule to ensure you DO NOT cross thread the capsule. It is a good idea to store the replacement capsule in the box provided as it is fragile.

The Apex180 comes with a mic stand clip, however the optional IMC-9 shockmount cradle may be the preferred solution for isolating the capsule when using the microphone for most delicate recording or live sound reinforcement applications.

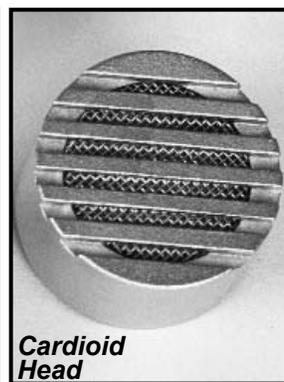
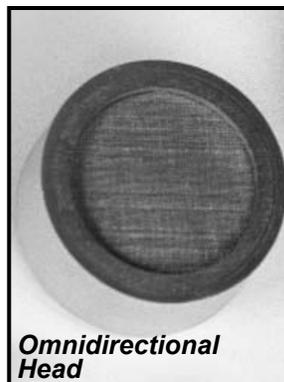
Understanding Multiple Polar Patterns

An omni-directional pattern will give your mic the ability to pickup sound from all directions. This is ideal for recording sounds that emanate from multiple directions, or picking up the source material as well as the natural ambiance and reverberation of a room. Omnidirectional patterns also have no proximity effect, or 'bottom end enhancement' as the source gets closer to the microphone. This makes an omnidirectional pattern ideal for use recording choirs, string sections, background vocals or acoustic instruments where a natural 'open' tone quality is preferred.

The cardioid pattern is ideal for single instrument or solo vocal use. This pattern picks up only sound directly in front of the microphone, and sounds from back and sides of the microphone are rejected. The cardioid pattern also has the most pronounced proximity effect, and best off-axis rejection.

Suggested Accessories

- Apex MWS-56dlx 6-inch studio pop filter
- Apex IMC-9 Isolation Shock Mount
- Apex APP2 Phantom Power Supply



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