# Microphones

Ampetronic offer a small range of microphones primarily for use with one to one systems, counter systems and small area coverage systems such as the CLD1 and ILD100.

All the microphones are electret type, using a 3.5mm unbalanced connection and derive power from the host equipment eliminating the need for batteries. By using the Ampetronic MAT1 adapter, it is also possible to use the microphones with balanced lines and phantom power, such as those on Ampetronic's larger loop drivers.

### Desktop Microphone ACDTMIC

The desktop allows directional pickup much closer to the sound source, reducing background noise and increasing clarity for the end user. This makes it an ideal default choice for counter loops, especially in noisy or reverberant environments.

| | |
|---|---|
| Polar Pattern: | Cardioid |
| Frequency Response: | 30Hz – 16kHz |
| Sensitivity: | -65dB |
| Impedance: | 680Ω |
| Operating Voltage: | 1.5V – 9V DC |
| Cable Length: | 2.4m |
| Weight: | 420g including cable |
| Dimensions: | Base diameter 84mm |
| | Gooseneck length 355mm (semi-rigid) |

### Boundary Microphone Q400

The boundary microphone is small and unobtrusive, ideal for applications where a more discreet installation is required. It has a directional capsule to reduce background noise.

| | |
|---|---|
| Polar Pattern: | Hypercardioid |
| Frequency Response: | 300Hz – 6.5kHz |
| Sensitivity: | -67dB |
| Impedance: | 2kΩ |
| Operating Voltage: | 1V – 10V DC |
| Cable Length: | 1.8m |
| Weight: | 8g excluding cable |
| Dimensions: | 43mm x 23mm x 12mm |

### Tie Clip Microphone EM-1.2

Tie clip microphones can often be used to fit to a screen or similar to allow more flexible installation options. As it has an omnidirectional pickup it should be positioned as close to the sound source as possible to minimise background noise.

| | |
|---|---|
| Polar Pattern: | Omnidirectional |
| Frequency Response: | 20Hz – 16kHz |
| Sensitivity: | -62dB |
| Impedance: | 2.2kΩ |
| Operating Voltage: | 1.5V DC |
| Cable Length: | 4m |
| Weight: | 40g including cable |
| Dimensions: | 10mm (diameter) x 18mm |

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