

Boundary Microphone Q400

The Q400 is a directional electret boundary layer microphone. It is designed to be connected to unbalanced microphone inputs with bias powering such as those found on the Ampetronic and ILD100 & CLD1 induction loop amplifiers. The unit is directional when properly mounted, so it can reduce unwanted sound pickup from sources that are not in front of the microphone.

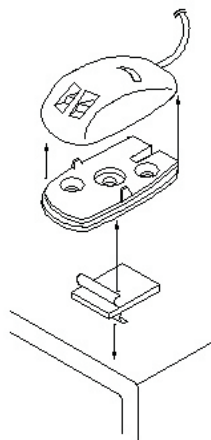
Restrictions on usage

The Q400 should not be directly connected to balanced or line level inputs. It should only be connected to inputs intended for unbalanced electret microphones with DC bias power.

1. Mounting

Boundary layer microphones are intended for mounting on a surface. The surface forms a part of the pickup pattern of the microphone. The surface should not be subject to strong vibration as this can be picked up by the microphone.

The microphone should be placed so that it points towards the wanted sound source (e.g. The receptionist at a counter) and is reasonably close to that source. Take care to ensure that the microphone does not pick up unwanted sounds when choosing where to put the unit.



2. Output connection.

The Q400 is terminated in a 3.5mm mono jack plug. This should be plugged into the microphone input of the or ILD100 or CLD1 To connect the Q400 to a balanced microphone input, the Ampetronic MAT1 adapter should be used with phantom power on the amplifier.

Any extension up to 3 metres total cable length should be made using a screened cable and good quality connectors. *Under no circumstances* should the output cable be extended beyond a total length of 3m as the extended connection would be susceptible to interference. Using an Ampetronic MAT1, output cable length can be extended using balanced cables.

3. Specification :

Sensitivity	-67dB 4dB (0dB=1V/bar)
Impedance.....	approx. 2k Ω
Directivity.....	Hypercardioid directional
Frequency Range.....	300Hz - 6.5kHz (optimised for voice)
Bias Voltage Range.....	1V to 10V
Normal Bias Voltage.....	1.5V
Current Consumption	0.5mA Max.
Signal to Noise Ratio.....	>60dB
Dimensions.....	43 x 23 x 12mm
Cable Length.....	1.8 metres, screened flexible cable
Cable Connector	Mono 3.5mm jack
Colour.....	Black
Weight	8g excluding cable

The Q400 is manufactured in Europe for Ampetronic Ltd.

Warranty Information

This product carries a 1 year parts and labour warranty which could be invalidated if these instructions are not followed correctly, or if the unit is tampered with in any way.

The 1 year warranty is dated from the time the equipment leaves Ampetronic and NOT when it is installed.

EC Certificate of Conformity available on request.

AMPETRONIC

Listen to the difference

Ampetronic Ltd

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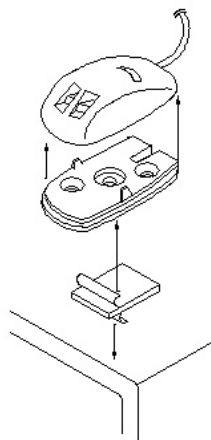
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