



Aeromic AM10 by Aerobic Microphones Australia

Description

This is a purpose built headworn mic for fitness instruction. It is usually attached to a wireless transmitter worn around the waist of the instructor with the transmitter supplying the necessary bias of 1.5-9V DC. The sweat resistant custom manufactured capsule is designed to be positioned about 4cms or 2 fingers width from the corner of the mouth where it will pick up an even voice level from the active wearer, even if it slips up to the nose or down to the chin. It has very high gain so the maximum gain before feedback levels can be set by turning down the trim pot on the wireless transmitter to suit.

The Aeromic capsule is fitted with sweat resistant screens and the one piece headband is fully sealed for protection against sweat and water ingress. The black cable uses 4 cores of stainless steel wire strands for supreme cable strength. Two cores of steel strands are combined to form the earth cable without generating any hum and eliminating the need to use weaker copper braid for grounding purposes. Unlike most microphone cables the closed pore PVC waterproof jacket ensures that sweat does not permeate through to the cores inside.

A variety of 3 pole connectors are fitted by the distributor or dealer supplying the Aeromic or its companion product the Cyclemic.

Specifications

Generating Element	Electret Condenser
Polar Pattern	Omnidirectional
Frequency Response (@ 2cm close talking)	50 - 20000Hz (see graph)
Maximum Input (@3%THD)	120dB SPL
Output Impedance	3kΩ Nominal
Power Supply Bias	1.2 to 22V
Current Drain	50uA
Cable	4 cores stripped and tinned Red = Bias; Blue = Signal; Grey & Yellow = Ground

