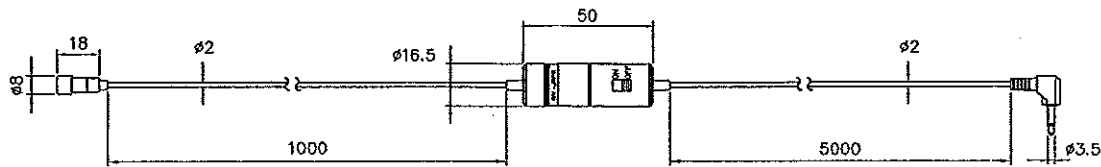


TCM110**Electret-Condenser Tie-Clip Microphone**

(OMNI DIRECTIONAL, BATTERY POWERED, POWER ON/OFF SWITCH)



(UNITS: MM)

Your **TCM110** is a compact, miniature, broadcast quality, omni-directional tie-clip microphone. Utilizing an electret condenser type element, it provides flat, smooth frequency response and wide dynamic range. It's omni-directional polar pattern allows a full 360 degree pick up of sound providing a natural blend of voice and ambience. Like most omni-directional microphones it is low in sensitivity to speech produced "popping sounds" and breath overloads during close-up situations, and is less susceptible to wind and clothing noise. The TCM110 is intended primarily for use by entertainers, broadcasters, lecturers, and others who require hands free operation without compromising sound quality and performance. Ruggedly designed, it is ideal for stage, lecture halls, conference rooms, lecterns, or any venue where an unobtrusive and lightweight microphone is needed. It's detachable tie-clip allows easy mounting, offering flexibility, ease, and comfort to the user. The TCM110 can also be use with computers for multi-media and voice recognition applications.

Your microphone operates on a single 1.5V button-cell type battery. It's mini, durable, flexible cable comes with a control tube which houses the battery and the integral pre-amplifier. A battery saver design, it's components include a built on/off slide switch for convenient and easy powering access, and longer battery service life. The switch also eliminates the need for the user to unplug the microphone from the audio source when not in use. A compact and lightweight package, the control tube can be pocketed or clipped onto a belt or a waistband with it's removable screw-mounted belt clip.

SPECIFICATIONS:

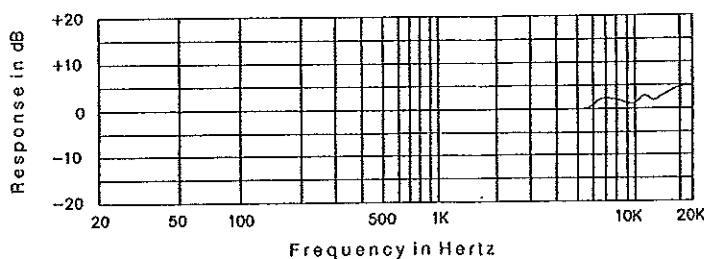
Element	Electret Condenser
Directional Characteristics	Omni-directional
Frequency Response	50 Hz to 16,000 Hz
Sensitivity	-65 dB \pm 3 dB at 1,000 Hz (0 dB = 1V/micro bar)
Impedance	1,000 ohms at 1,000 Hz
Operating Voltage	Battery: 1.5V (LR-44)
Plug	ϕ 3.5 mm (1/8"), Mono, 90 degree angle type
Cable	ϕ 2 mm x 6 M
Weight	
Microphone	4 grams (without cable)
Control Tube	15 grams (without cable and battery)

Accessories

Clip type microphone holder, Sponge windscreen, 1.5V (LR-44) Button cell type battery

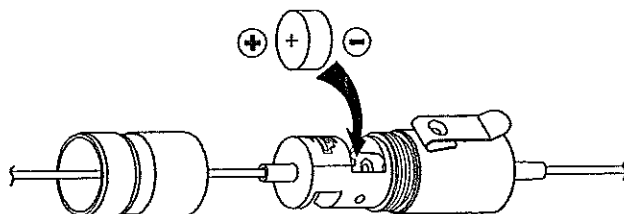
Optional: Plug adapter, $\phi 3.5$ mm (1/8") to $\phi 6.35$ mm (1/4")

FREQUENCY RESPONSE GRAPH:



- Specifications are subject to change for improvement without prior notice

INSTALLING THE BATTERY:



- Always use a fresh battery of recommended size and type
- Ensure correct polarity when installing the battery
- To prolong battery life, switch "off" the control tube when not in use
- The battery should be removed prior to long term microphone storage
- Keep batteries out of reach of children, swallowing a button cell battery can be fatal
- Dispose used batteries promptly and properly

MAINTENANCE AND CARE:

- Using the microphone at high amplifier or tape deck volume may cause a squealing noise or feedback. To stop feedback, reduce the amplifier or tape deck volume, or adjust the angle of the speakers so they point away from the microphone.
- Avoid exposing the microphone to temperatures exceeding 110°F or 43°C, and extreme humidity for long periods of time. Exposure to high temperatures can result in gradual and permanent reduction of the output level. Accumulated dew on the diaphragm surface can cause crackling sound.
- Do not use alcohol, thinner, or other harsh chemicals in cleaning the unit



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