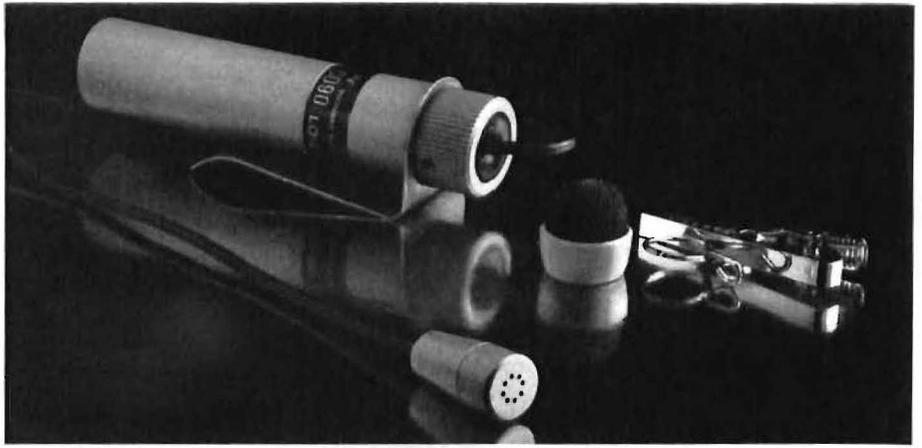


## CO90 and CO90E

Miniature Condenser  
Omnidirectionals



## RE85

Shock-Mounted Miniature  
Dynamic Omnidirectional



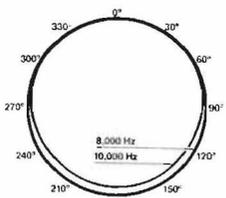
## CO85

Condenser  
Omnidirectional



## 649B

Miniature  
Dynamic Omnidirectional

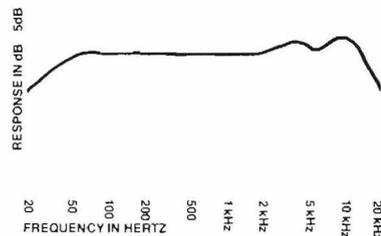


POLAR RESPONSE CURVE  
Scale is 5 Decibels Per Division



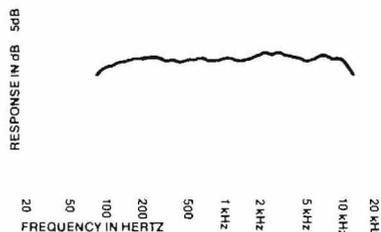
Perfect for today's broadcasting and wide-range sound reinforcement systems. They are more reliable and more versatile than other condenser lavaliers. The two-conductor cable incorporates two nylon stay cords for high breaking strength. The cable-to-case interface is built to last. If there is an accident, *the cable assembly is field replaceable*. Both the CO90 and CO90E are tie clasp modules. CO90 has a separate battery/transformer housing and connector with belt clip. The CO90E is for direct interface with a wireless transmitter, miniature recorder, etc. Frequency response is tailored for the lavalier chest position. Excellent performance at the frequency extremes provides a close match to the sound of high-quality hand-held microphones.

**Frequency Response:** 40-15,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 57 dB  
**Element:** Condenser (electret)  
**Operating Voltage:** 1.1-1.8V Battery; Mallory RM-625 or equivalent (not supplied)  
**Battery Life:** Over 1000 hours  
**Case:** Mike: brass; electronics: aluminum; battery/transformer housing: steel  
**Finish:** Fawn beige micomatte  
**Mike Size:** 21.6 mm (.851") long; 10.5 mm (.415") max. diameter  
**Weight:** 114 grams (4 oz) complete, less battery; 23 grams (.8 oz) less battery/transformer housing & belt clip  
**Cable:** Mike to battery housing, 1.83 m (6')  
**Included:** Tie clasp, 385 windscreen, protective pouch, belt clip  
**Optional Accessories:** Shown on pages 22 & 23



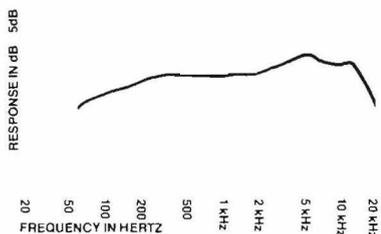
Here's a lavalier microphone that offers professionals in the TV industry great protection from cord and case-conducted mechanical noise. The RE85 has an internally shock-mounted microphone capsule which is "floating" in high-compliance rubber inside the durable steel case. "Slippery" cable and case finishes reduce transmission of mechanical disturbances to the shock mount. Response is tailored for the lavalier chest position.

**Frequency Response:** 90-10,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 61 dB  
**Diaphragm:** EV Acoustalloy™  
**Case:** Steel  
**Finish:** Champagne  
**Size:** 67 mm (2<sup>5</sup>/<sub>8</sub>") long; 23 mm (<sup>5</sup>/<sub>8</sub>"<sup>3</sup>/<sub>4</sub>") max. diameter  
**Weight:** 229 grams (8 oz)  
**Cable:** 9.14 m (30')  
**Included:** Neck cord, tie clasp, cable belt clip, protective pouch  
**Optional Accessories:** Shown on pages 22 & 23



Where is it? The CO85 will go unnoticed "on camera" because it is small, and is easily disguised as a tie tac, lapel pin, shirt button, brooch, etc. The electronics that hold the microphone in place are concealed. The CO85 is used normally with battery power, but it also may be powered by wireless transmitters and recorders without using the battery/transformer housing. Response is shaped for wide-range performance in the lavalier chest position.

**Frequency Response:** 70-16,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 56 dB  
**Element:** Condenser (electret)  
**Operating Voltage:** 1.1-1.8V Battery; Mallory RM-625 or equivalent (not supplied)  
**Battery Life:** Over 1000 hours  
**Case:** Steel & high-impact plastic  
**Finish:** Fawn beige micomatte  
**Size:** Mike: 10.3 mm (<sup>1</sup>/<sub>2</sub>"<sup>3</sup>/<sub>2</sub>") diameter; 6.4 mm (<sup>1</sup>/<sub>4</sub>") deep; electronics: 38.1 mm (1<sup>1</sup>/<sub>2</sub>") long; 13.5 mm (<sup>1</sup>/<sub>2</sub>"<sup>7</sup>/<sub>2</sub>") wide; 9.5 mm (<sup>3</sup>/<sub>8</sub>") deep  
**Weight:** Mike: 2.8 grams (.1 oz) Electronics: 7.1 gram (<sup>1</sup>/<sub>4</sub> oz)  
**Included:** 385 windscreen, belt clip, tie clip adapter, metal carrying case  
**Optional Accessories:** Shown on pages 22 & 23



Created especially for TV, the small, lightweight 649B is the most popular dynamic lavalier available. The turned aluminum case and nested mechanical parts offer traditional E-V ruggedness. Frequency response is tailored for balanced performance in the lavalier chest position. The 649B is at home wherever concealment, mobility, and hands-free movement is needed.

**Frequency Response:** 80-10,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 61 dB  
**Diaphragm:** EV Acoustalloy®  
**Case:** Aluminum  
**Finish:** Non-reflecting gray  
**Size:** 57 mm (2<sup>1</sup>/<sub>4</sub>") long; 19 mm (<sup>3</sup>/<sub>4</sub>") diameter  
**Weight:** 31 grams (1.1 oz)  
**Cable:** 9.14 m (30')  
**Included:** Neck cord assembly, belt clip for cable and protective pouch  
**Optional Accessories:** Shown on pages 22 & 23

