

**SHURE**

222 HARTREY AVE., EVANSTON, IL. 60204 U.S.A.

MICROPHONES AND ELECTRONIC COMPONENTS

® AREA CODE 312/328-9000 • CABLE: SHUREMICRO

**DATA
SHEET****MODEL 444T
COMMUNICATIONS
MICROPHONE****TRANSISTORIZED BASE STATION WITH VARIABLE OUTPUT LEVEL**

The Model 444T is specifically designed for Citizens Band applications.

Features:

1. A Built-in, Two-transistor Preamplifier—with volume control (red knob) to give variable high output from the microphone—has self-contained battery.
2. High Output Level to Maintain Maximum Modulation.
3. Response for Single Sideband Transmission.
4. Finger-Tip Control Bar
5. Long-Life Switch.
6. Adjustable Microphone Height.
7. A Sturdy, High Impact "Armo-Dur®" Base and Case.
8. Dependability — under all operating conditions.

Connections: Figure B shows internal wiring of the Model 444T Microphone.

The Model 444T may be connected to an amplifier of 1,000 ohms input impedance or more. In this case the white ("hot") lead and shield conductors are connected to the microphone circuit. The black and red conductor are used to control an external relay or control circuit. The microphone as furnished is wired for normal relay type switching. To modify for isolated relay type or electronic type switching, remove bottom plate from microphone base and proceed as follows:

- For isolated relay switching, clip the *blue* lead from the switch to the transistor preamplifier board.
- For electronic switching, leave the blue lead connected, and clip the *gray* lead connecting the normally closed blades of the switch.

To install battery proceed as follows:

1. Loosen two screws (located underneath base) holding battery retaining clip.
2. Remove battery-clip assembly.
3. Connect terminal strap to battery and insert battery into retaining clip.
4. Reassemble battery-clip assembly into microphone and tighten screws securely.



Press-to-Talk Switch Operation: The Finger-Tip Control Bar can be used in a locking or non-locking switch action. To use as a non-locking switch, simply depress the Control Bar and release after transmission. To use as a locking switch, depress the Control Bar, move forward by pulling with the finger tips; to unlock switch, move Control Bar in a backward direction and remove pressure from the bar.

Important: Shure Microphone Cables are selected after exhaustive tests to insure superior performance in microphones because of low capacities, superior shielding properties and unusually long life under severe use.

Cables with plastic insulation should not be subjected to excessive soldering-iron heat. Carefully clean and tin the conductors and the connections to which the conductors are to be soldered. The soldering operation can then be done with a minimum of heat, thereby avoiding any possibility of damage to the cable.

Guarantee: This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from the date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor.

Shipping Instructions: Carefully repack the unit and return it prepaid to the factory. If outside the United States, return the unit to your dealer or Authorized Shure Service Center for repair. The unit will be returned to you prepaid.

SPECIFICATIONS

Type:

Controlled Magnetic—with transistor preamplifier

Frequency Response:

200 to 6,000 Hz (See Figure A)

Polar Pattern:

Semidirectional

Output Impedance:

Less than 1,000 ohms

Output Level:

Adjustable from 2 mV to 45 mV for 1 microbar input

Battery Drain:

.7 mA

Battery Life:

Over 300 hours of operation—1 year maximum

Battery Type:

Eveready 216 or equivalent

Switch:

Press-to-Talk switch. Locking or non-locking operation—to operate microphone circuit or external control circuit.

Cable:

Three-conductor (one conductor shielded), plastic jacketed coiled cord, 1.5m (5 ft) extended

Finish:

Gray

Dimensions:

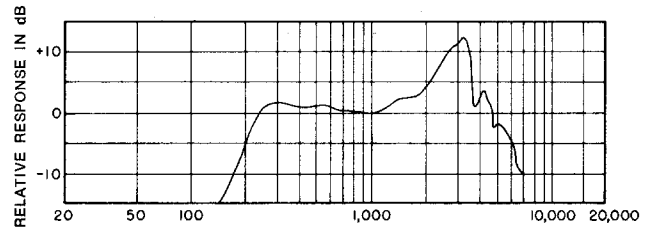
See Figure C

Net Weight:

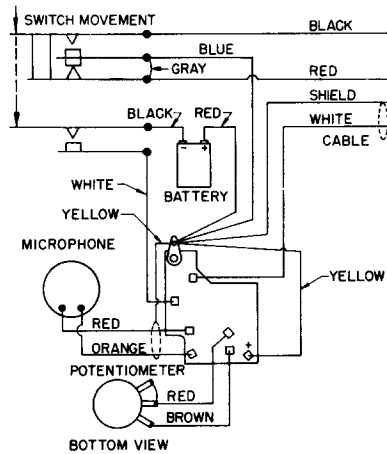
680 grams (1½ lb)

Shipping Weight:

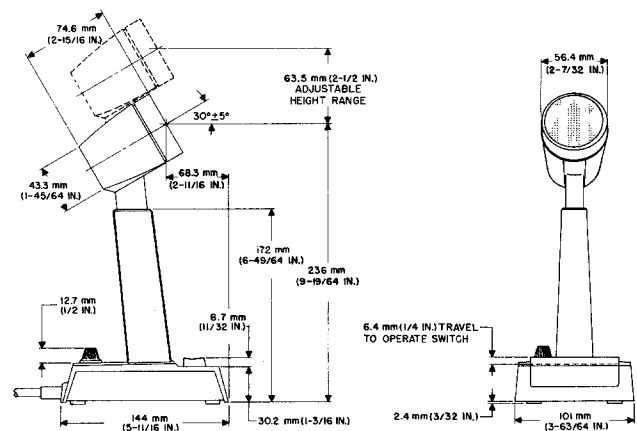
964 grams (2½ lb)



FREQUENCY RESPONSE
FIGURE A



INTERNAL CONNECTIONS
FIGURE B



OVERALL DIMENSIONS
FIGURE C