

805 Manual Dial Heavy Duty DTMF Microphone

Features

- Oversized, twelve-key, backlit, silicone rubber keypad allows easy day or night operation for large fingers or gloved hands.
- Tactile feel stainless steel snap dome keypad switches over gold-plated contacts for long life operation.
- High impact, weighted, ergonomically designed case for maximum structural strength and integrity.
- Voice-tailored electret microphone element for true voice quality and improved intelligibility.
- Proven circuit technology for superior electrical and mechanical integrity.
- Illuminated TX LED indicates when PTT is keyed.
- DTMF operation is selectable for continuous tone or 150 mSec. tone burst.
- True DTMF sidetone is audible while dialing for improved accuracy.
- Sealed, tactile feel PTT switch resists dust and moisture.
- Tuning ports provided for easy level setting without opening the case.
- The microphone element is muted during DTMF operation to minimize interference.
- Automatic push-to-talk keying with 2-second interdigit hang time.
- Available with connectors installed for most land mobile radios.
- 6' dual shielded, 5-conductor coiled cord with over-molded strain relief.



INTRODUCTION

The Model 805 DTMF Encoder Microphone is a manual dialing version of the popular 810 programmable model that has gained worldwide popularity.

A large, sealed, illuminated alphanumeric keypad is incorporated into a specially designed high temperature, impact-resistant Cylolac T™ composite resin housing. The custom designed case and gasket assembly assures structural integrity in adverse environments. The 805 is designed to meet military standards for shock, vibration, and water resistance.

A high-strength epoxy fiberglass circuit board with proven technology delivers superior electrical and mechanical performance in all service applications.

The weighted, ergonomically engineered case is easy to hold and operate even for gloved, one-handed operation. The single piece backlit keypad features reliable, all-metal key switches over gold-plated contacts for long life and positive action. A durable, oversized 6' coiled cord with strain relief is provided and is available with optional pre-wired connectors to fit most commercial two-way radios.

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Specifications

Weight

10 oz. (285 grams)

Impedance

1000 ohm @ 1 kHz

Power Requirements

+ 9 Vdc to 18 Vdc

12Vdc nominal

Current Requirement

50mA Idle

36mA PTT operation

250mA DTMF autokeying with sidetone

Frequency Response

300 Hz to 3 kHz \pm 3dB

Output Level

-34 dBm to 6 dBm

ENVIRONMENTAL**Operating Temperature**

- 22° to 140°F (- 30° to 60°C)

Storage Temperature

-40° to 185°F (-40° to 85°C)

Humidity

0 to 90% (non-condensing)

Keypad

Single-piece silicone rubber with alpha-numeric keys

Keypad Switches

Stainless steel, snap-dome over gold plated contacts

Automatic Push-to-Talk

Initiated 1 second prior to tone transmission, 2 second interdigit time

Tone Output

Tone Accuracy

$>\pm 0.5\%$

Tone Stability

± 0.05 at -4° +158°F

Tone Format

66%/33%, or 50%/50% duty cycle

Available from: