

# **TP-8000 Series**

#### **Full Featured Hand Held Radio**

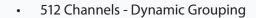
## TP-8102 5/2W VHF (136-174 MHz) TP-8402 4/2W UHF (400-470 MHz)



### IP-67 Approved for Water Immersion and Dust Protection

Manufactured and approved to withstand total water immersion to one meter for thirty minutes. In addition, the TP-8000 offers 512 channels, voice scrambling, multiple scan modes, and 2-Tone decode; the TP-8000 is a full featured radio that can be configured for almost any application.





- 5/2 Watt VHF, 4/2 Watt UHF Power Output
- 12.5/25 kHz Channel Spacing
- 2.5/6.25 kHz PLL Stepping
- Remote Stun and Revive
- CTCSS/DCS
- 2/5 Tone Selcal and DTMF ANI
- 2 Tone Decode
- 10 Character A/N Display with Function Icons
- · Voice Scrambler Inversion
- 1 Watt Audio Output
- Priority and Conventional Scanning
- TOT/BCL/BCLO
- User Adjustable Squelch (0-9 level settings)
- User Selectable Hi/Lo Power
- VOX
- Lone Worker F/W 3.28
- 6 Programmable Buttons, 12 Functions
- Meets Mil Std 810F







NOTE: Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

### Specifications

#### General

TP-8102 136-174 MHz
TP-8402 400-470 MHz
Operating Voltage 7.5 V DC

Operating Temperature -22° to 140° F (-30° to 60° C)

Frequency Stability ± 2.5 PPM

Dimensions (H/W/D) 4.37 x 2 x 1.25" (112 x 56 x 32 mm)

Channel Spacing 12.5/25 kHz per channel

PLL Stepping 2.5/6.25 kHz

Weight with Li-Ion Battery 9.1 oz. (258 g.) w/battery

Battery Life (hours) 15/19\* hr

Battery Capacity 2200 mAh Li-Ion Charge Time Estimate 2-3 hours

\*90/5/5 duty cycle with battery save

Approvals FCC Industry Canada

TP-8102 O25PZ-100 Pending TP-8402 O25PZ-400NW 5624A-PZ400C







Manufactured to ISO-9002:2000 quality standard.

#### Transmitter

Output Power VHF 5/2 Watt, UHF 4/2 Watt Frequency Stability ±2.5 ppm (-30° to 60° C)

Spurious/Harmonic -65dB

FM Hum/Noise 40dB (12.5 kHz), 45dB (25 kHz)

Audio Distortion 5% maximum

Audio Response +1, -3dB from 6dB per octave pre-emphasis

Characteristic from 300 ~ 3000 Hz

#### Receiver

Sensitivity .282uV 12dB SINAD Squelch Sensitivity .25uV 12dB SINAD

Selectivity 60dB (12.5 kHz), 65dB (25 kHz)

Spurious/Harmonic Rej. 70dB Intermodulation 60dB FM Hum/Noise 40dB

Audio Output Power 1 Watt across 16-ohm load Audio Distortion Less than 5% at rated ouput Audio Response +1, -3dB from 6dB per octave pre-emphasis

Characteristic from 300 ~ 3000 Hz

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# Standard Package

Radio, 2200 mAh Li-Ion battery, dual slot rapid rate desktop charger, antenna, belt clip and user manual.

### ${\sf A}$ ccessories

- Earhook Speaker with Lapel Mic/PTT
- Clear Earbud Speaker with Lapel Mic/PTT
- Standard and Heavy Duty Speaker Microphones
- Dual Slot Rapid Rate Desktop Charger
- Six Unit Multi Charger
- Single Slot Vehicular Charger
- · 2200 mAh Li-Ion Battery
- 2600 mAh Li-Ion Battery
- Nylon Carry Case
- Leather Carrying Case with Belt Loop Swivel
- Programming Software and Cable (USB)

## Contact Information



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