

TP-8102 5/2W VHF (136-174 MHz)

TP-8402 4/2W UHF (400-470 MHz)

The TP-8000 Series is Manufactured and approved to withstand total water immersion up to 1 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.



- 512 Channels - Dynamic Grouping
- 5/2 Watt VHF, 4/2 Watt UHF Power Output
- 12.5/25 kHz Channel Spacing
- 6.25 kHz PLL Stepping
- Remote Stun And Revive
- CTCSS/DCS
- 2/5 Selcall 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
- 6 Programmable Buttons with 12 Functions
- IP67; MIL-STD-810F Compliant
- 2600 mAh Battery

## 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" (112x56x32 mm)
Channel Spacing	12.5/25 kHz per channel
PLL Stepping	6.25 kHz
Weight (W/ Battery)	9.1 oz. (258 g.)
Battery Life (Hours)	15/19 hr*
Battery Capacity	2600 mAh Li-Ion
Charge Time Estimate	2-3 Hours
	*90/5/5 duty cycle with battery save

### TRANSMITTER

Output Power	VHF 5/2 Watt, UHF 4/2 Watt
Frequency Stability	± 2.5 ppm (-30° to 60° C)
Spurious and Harmonic	-65dB
FM Hum and Noise	40dB (12.5 kHz), 45dB (25 kHz)
Audio Distortion	5% Maximum
Audio Response	+1, -3dB from 6dB per octave pre-emphasis and characteristic 300 ~ 3000 Hz

### RECEIVER

Sensitivity	.282uV 12dB SINAD
Squelch Sensitivity	.25uV 10dB SINAD
Selectivity	60dB (12.5 kHz), 70dB (25 kHz)
Spurious and Harmonic	70dB
Inter-modulation	60dB
FM Hum and Noise	40dB
Audio Output Power	1 Watt across 16-ohm load
Audio Distortion	Less than 5% at rated output
Audio Response	+1, -3dB from 6dB per octave pre-emphasis and characteristic 300 ~ 3000 Hz

#### PACKAGE INCLUDES:

Radio, 2600 mAh Li-Ion battery, dual slot rapid rate desktop charger, antenna, belt clip and user manual.

Specifications are subject to change without notice.

## ACCESSORIES



### Charger Options

Dual Slot Rapid Rate Desktop Charger  
Six Unit Multi Charger  
Single Slot Vehicular Charger  
2600 mAh Li-Ion Battery



### Other Options

Nylon Carrying Case  
Leather Carrying Case w/Belt Loop Swivel

Approvals	FCC	Industry Canada
TP-8102	O25PZ-100	5624A-TP8102
TP-8402	O25PZ-400NW	5624A-PZ400C



Manufactured to ISO-9002:2000 quality standard.

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.

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