

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



Speaker Mic Options

Standard Speaker Microphone
Heavy Duty Speaker Microphone
Heavy Duty Speaker Microphone w/ Vol Control



Ear Piece Options

"D" Style Earhook Speaker w/Lapel Mic/PTT
"C" Style Earhook Speaker w/Lapel Mic/PTT
Clear Earbud Speaker w/Lapel Mic/PTT



Other Options

Nylon Carrying Case
Leather Carrying Case w/Belt Loop Swivel
Programming Software and Cable (USB)

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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