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.

SUBMERSIBLE
1 meter for 30 minutes

- 512 Channels - Dynamic Grouping
- 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

3 YEAR WARRANTY

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Full Featured Hand Held Radio

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

RoHS 2002/95/EC

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

Specifications are subject to change.

Standard Package

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

Accessories

- 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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