



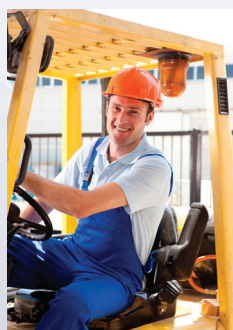
# TP-5000 Series

Full Featured Hand Held Radio

TP-5116 5/2W VHF (136-174 MHz)  
TP-5416 4/2W UHF (400-470 MHz)

IP-54 Approved and Built to MIL-STD 810F Ratings

*The TP-5000 Series is designed as a rugged and light-weight radio to deliver clear, reliable communications for your industrial or commercial needs.*



- 16 Channels with Optional Voice Annunciation
- 5/2 Watt VHF, 4/2 Watt UHF Power Output
- 12.5/25 kHz Channel Spacing
- CTCSS/DCS Tone Capability
- Voice Scrambler - Inversion
- Compander Function
- 1 Watt Audio Output
- Priority and Conventional Scanning
- Time-Out Timer (TOT)
- 2-Tone Paging Decode
- BCL/BCLO (Busy Channel Lock Out)
- High/Low Power Switching
- DTMF ANI
- Remote Stun and Revive
- Power Save Mode
- VOX
- 2 Programmable Function Buttons





# TP-5000 Series

Full Featured Hand Held Radio

## Specifications

### General

TP-5116	136-174 MHz
TP-5416	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)	4.42 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	10 oz. (284 g.) w/battery
Battery Life (hours)	15/19 hr*
Battery Capacity	2200 mAh Li-Ion
Charge Time Estimate	3-4 hours

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

### Approvals

TP-5116  
TP-5416

### FCC

025PZ-S100  
025PZ-S400

### Industry Canada

/ Pending  
/ Pending

RoHS  
2002/95/EC



### 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 Characteristic from 300 ~ 3000 Hz

### Receiver

Sensitivity	.282uV 12dB SINAD
Squelch Sensitivity	.25uV 10dB SINAD
Selectivity	60dB (12.5 kHz), 70dB (25 kHz)
Spurious and Harmonic Rej.	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 Characteristic from 300 ~ 3000 Hz

## Standard Package

Radio, 2200 mAh Li-Ion battery, 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
- Rapid Rate Desktop Charger
- Six Unit Gang Charger
- Single Slot Vehicular Charger
- 2600 mAh Li-Ion Battery
- Nylon Carry Case
- Leather Carrying Case with Belt Loop Swivel
- Programming Software/Cable

## Contact Information



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