

TP-5116 5/2W VHF (136-174 MHz)

TP-5416 4/2W UHF (400-470 MHz)

**The TP-5000 Series** is designed as a rugged and lightweight 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
- 12.2/25 kHz Channel Spacing
- CTCSS/DCS
- Voice Scrambler - Inversion
- Comander Function
- 1 Watt Audio Output
- Priority and Conventional Scanning
- Time-Out Timer (TOT)
- 2-Tone Paging Decode
- BCL/BCLO (Busy Channel Lock Out)
- DTMF ANI
- Remote Stun and Revive
- Power Save Mode
- VOX
- 2 Programmable Function Buttons

**6+6 Dual Slot Charger**  
Radio/Battery & Battery only



## 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" (112x56x32 mm)
Channel Spacing	12.5/25 kHz per channel
PLL Stepping	6.25 kHz
Weight (W/ Battery)	10 oz. (284 g.)
Battery Life (Hours)	15/19 hr*
Battery Capacity	2600 mAh Li-Ion
Charge Time Estimate	3-4 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	Less than 5% at rated output
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-5116	O25PZ-S100	5624A-TP5116
TP-5416	O25PZ-S400	5624A-TP5416



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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