

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



OTHER OPTIONS

Nylon Carrying Case
Leather Carrying Case w/Belt Loop Swivel

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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