

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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