

LEGACY

ProLine PL2415 / PL2445

VHF/UHF scanning portables

Versatile, Durable, Compact

The Legacy ProLine Series combines a "soft tech" look and feel with rugged durability and versatile performance.

Both the PL2415 (VHF) and PL2445 (UHF) portables have 4 channel operation, PC programmable software options (including time-out-timer and scan) and a rugged die-cast aluminum / polycarbonate cabinet to take on a World full of tough challenges.



Choice of 2 Watt / 4 channel VHF or UHF models

Choose the radio that's right for your needs from the PL2415 (VHF) or the PL2445 (UHF)

Programmable channel scan

Keep up-to-date with conversations on all programmed channels

Privacy tones

38 Standard, 11 non-standard CTCSS tones and 104 DCS tones prevent your radio from receiving unwanted calls; programmable 2-tone decode is ideal for use by rural Public Safety personnel

Designed to MIL-STD810F Specifications

Allows reliable use in rugged conditions like light rain, humidity, dust, vibration and shock

Locking accessory connector

Keeps your radio accessories securely attached during demanding use

ProLine PL2415 / PL2445



specifications

general	VHF model PL2415	UHF model PL2445
Frequency Range	148-174 MHz	450-490 MHz
Channels	4	4
Channel Spacing	25 / 30 / 15 / 12.5 kHz	25 / 12.5 kHz
PLL Step	2.5 / 5 / 6.25 / 7.5 kHz	5.0 / 6.25 kHz
Channel Spread	26 MHz	40 MHz
Antenna Impedance	50 Ω	50 Ω
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal
Battery Life (with 750 mAh NiMH battery)	11 Hours @ 2 W (90-5-5 duty cycle)	11 Hours @ 2 W (90-5-5 duty cycle)
(with optional 1350 mAh NiMH battery)	19 Hours @ 2 W (90-5-5 duty cycle)	19 Hours @ 2 W (90-5-5 duty cycle)
Operating Temperature	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability (-30° C to +60° C)	± 5.0 ppm	± 5.0 ppm
Dimensions (H x W x D) (with battery)	4-7/8" x 2-1/4" x 1-1/4" (125 x 58 x 32 mm)	
Weight (with 750 mAh NiMH battery and antenna)	13.6 oz. (380 gm)	
FCC Identifier	O7KPL150	O7KPL450P
FCC Compliance	Parts 22, 74, 80, 90	Parts 22, 74, 90, 95
IC Certification Number	377 219 6843A	377 210 4407A

features / functions

- 4 Channel, 2 Watt VHF model PL2415; UHF model PL2445
- Programmable wide or narrow channel spacing
- Meets MIL-STD810F specifications
- 38 Standard, 11 non-standard CTCSS tones; 104 DCS tones
- Programmable two-tone decode
- Programmable scan
- Locking single-pin accessory connector
- TX Inhibit
- Time-out-timer
- Battery save circuitry
- Die-cast aluminum frame, polycarbonate cabinet
- Tri-color LED
- Spring steel belt clip
- Manufactured under ISO 9002 quality standards
- FCC Certified for use in U.S.A. and its possessions and IC approved for sale in Canada



MIL-STD methods / procedures

The ProLine PL2415 and PL2445 meet the following:

Standard	810F Method / Procedure
Rain (Watertightness)	506.4 / Proc. II
Humidity	507.4 / Proc. I
Blowing Dust	510.4 / Proc. I
Vibration	514.5 / Proc. I
Shock	516.5 / Proc. I, IV

receiver (measurement procedures made per ANSI/TIA/EIA-603)

Sensitivity	12 dB SINAD	.25 μV @ 12.5 kHz; .28 μV @ 25 kHz
Selectivity		>60 dB @ 12.5 kHz; >65 dB @ 25 kHz
Intermodulation		60 dB @ 12.5 kHz; 65 dB @ 25 kHz
Spurious Response		60 dB
Audio Output		500 mW (Int.) @ 8 Ω; 500 mW (Ext.) @ 8 Ω (Method @ <10% THD level)

transmitter (measurement procedures made per ANSI/TIA/EIA-603)

RF Output	2 Watts	2 Watts
Spurious and Harmonic Emissions	60 dB	60 dB
Modulation	16KOF3E, 11KOF3E	
FM Hum and Noise	>34 dB @ 12.5 kHz; >40 dB @ 25 kHz	
Audio Distortion	<5%	<5%

Specifications are subject to change without notice.

accessories / options

Batteries: 750 mAh NiMH Battery pack (ACC-201); 1350 mAh NiMH Battery pack (ACC-202)

Antenna: VHF Antenna, 6", 148-162 MHz (ACC-115B); VHF Antenna, 6", 162-174 MHz (ACC-115R); UHF Antenna, 6", 450-490 MHz (ACC-145)

Chargers: Single unit desktop "slow" charger (ACC-410); Single unit desktop "fast" charger (ACC-412); 6-Station gang charger with ACC-410 chargers (ACC-441); 6-Station gang charger with ACC-412 chargers (ACC-442)

Audio: Ultra-lite headset with locking connector (ACC-616); Ear bud speaker with in-line P-T-T, microphone and locking connector (ACC-706); Lapel speaker microphone with ear jack, locking connector (ACC-726); Heavy Duty speaker microphone with audio earphone jack (ACC-727); Coil-cord earphone, used with ACC-727, (OPA-1424); Ear speaker, for use with ACC-726 Lapel speaker microphone (WTA-9F)

Carrying: Leather case (ACC-302); Leather case with swivel (ACC-304); Nylon case (ACC-303)

Adaptor: 2-Pin to 1-pin accessory adaptor (ACC-506)

For more information, contact:



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