



PR400™ Portable

With LTR® Trunking!



Conventional/LTR® Signalling Features

All Models:

- MDC1200 PTT ID (Numeric ID - Encode)
- MDC1200 Radio Check (Decode)
- MDC1200 Selective Radio Inhibit (Decode)
- Quik Call II™ Selective Call (Decode - Conventional Only)
- Quik Call II™ Call Alert (Decode - Conventional Only)
- DTMF PTT ID (Encode - Conventional Only)

32 and 64 Channel Models:

- MDC1200 PTT ID (Numeric ID - Decode)
- Quik Call II™ Call Alert (Encode - Conventional Only)
- Quik Call II™ Selective Call (Encode - Conventional Only)
- DTMF Call Alert (Encode - Conventional Only)
- DTMF Selective Call (Encode - Conventional Only)

Features

- 16, 32 & 64 Conventional Channel Models
- 12.5/25kHz Switchable Channel Spacing
- 8 Character Alphanumeric Display (32/64 Channel Models)
- 2 Programmable Buttons (16 Channel Model)
- 4 Programmable Buttons (32/64 Channel Models)
- X-Pand™ Technology
- Dual Priority Scan
- Option Board Expandability

LTR® Features

- Up to 4 Sites & 16 Talkgroups (16 Channel Model)
- Up to 10 Sites & 100 Talkgroups (32/64 Channel Models)
- Up to 20 Repeaters per Site
- Up to 4 Universal IDs per System (16 Channel Model)
- Up to 16 Universal IDs per System (32/64 Channel Models)
- UHF and VHF Frequencies
- Combined System Scan
- User Programmable Scan & Phone Lists
- Data Operated Squelch (DOS)

Programmable Features

- Monitor
- High/Low Power Settings
- Channel Scan
- Nuisance Channel Delete
- 2 Memory Channels
- PL/DPL Edit (32/64 Channel Models)
- Repeater/Talkaround
- Volume Set
- Tight/Normal Squelch
- VOX On/Off
- Battery Indicator (32/64 Channel Models)

Portable Military Standards 810 C, D, E & F	810C		810D		810E		810F	
	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
Applicable MIL-STD	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2	500.4	1
High Temp	501.1	1, 2	501.2	1, 2	501.3	1, 2	501.4	1, 2
Low Temp	502.1	1	502.2	1, 2	502.3	1, 2	501.4	1, 2
Temperature Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Rain	506.1	1, 2	506.2	1, 2	506.3	1, 2	506.4	1
Humidity	507.1	2	507.2	2, 3	507.3	2, 3	507.4	3
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	8, 10	514.3	1	514.4	1	514.5	1
Shock	516.3	1, 2, 5	516.3	1, 4	516.4	1, 4	516.5	1

PR400 Environmental Specifications

- Operating Temperature - 30 C to + 60 C
- Storage Temperature - 40 C to + 85 C
- ESD IEC 801-2 KV
- Water and Dust Intrusion IP 54

For more information, contact:

*All specifications subject to change without notice.

PR400 Portable Two-Way Radio Specifications*

General	VHF		UHF		
	Frequencies	136-162MHz, 146-174MHz		403-440MHz, 438-470MHz, 465-495MHz	
	Channel Capacity	16, 32 or 64		16, 32 or 64	
	Power Supply	7.5 Volts +/- 20%		7.5 Volts +/- 20%	
FCC Description	ABZ99FT3039, ABZ99FT3045		ABZ99FT4057, ABZ99FT4056, ABZ99FT4058		

No Display or Keypad	DIMENSIONS H w/o knobs x W @spkr x D @ spkr w/o belt clip		WEIGHT (w/ radio, battery, and belt clip, w/o antenna)		
	1100 mAh NiCd	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		430 g (15.17 oz)	
	1300 mAh NiMH Intrinsically Safe (FM)	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		449 g (15.83 oz)	
	1400 mAh NiMH	130mm H x 62mm W x 43mm D (5.12" H x 2.4" W x 1.69" D)		446 g (15.73 oz)	
	1600 mAh Slim Li-ion	130mm H x 62mm W x 42mm D (5.12" H x 2.4" W x 1.65" D)		377 g (13.30 oz)	
	1800 mAh Li-ion	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		376 g (13.26 oz)	

Full Display and Limited Keypad	DIMENSIONS H w/o knobs x W @spkr x D @ spkr		WEIGHT (w/ radio, battery, and belt clip, w/o antenna)		
	1100 mAh NiCd	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		451 g (15.91 oz)	
	1300 mAh NiMH Intrinsically Safe (FM)	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		469 g (16.54 oz)	
	1400 mAh NiMH	130mm H x 62mm W x 43mm D (5.12" H x 2.4" W x 1.69" D)		467 g (16.47 oz)	
	1600 mAh Slim Li-ion	130mm H x 62mm W x 42mm D (5.12" H x 2.4" W x 1.65" D)		397 g (14.0 oz)	
	1800 mAh Li-ion	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		396 g (13.97 oz)	

Full Display and Full Keypad	DIMENSIONS H w/o knobs x W @spkr x D @ spkr		WEIGHT (w/ radio, battery, and belt clip, w/o antenna)		
	1100 mAh NiCd	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		451 g (15.91 oz)	
	1300 mAh NiMH Intrinsically Safe (FM)	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		469 g (16.54 oz)	
	1400 mAh NiMH	130mm H x 62mm W x 43mm D (5.12" H x 2.4" W x 1.69" D)		467 g (16.47 oz)	
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	1800 mAh Li-ion	130mm H x 62mm W x 45mm D (5.12" H x 2.4" W x 1.75" D)		396 g (13.97 oz)	

Average Battery Life	BATTERY	CAPACITY (mAh)	HI-PWR 5W Talk Time (hrs)	LO-PWR 1W Talk Time (hrs)
	1100 mAh NiCd	1100	8	10
	1300 mAh NiMH Intrinsically Safe (FM)	1300	9	11
	1400 mAh NiMH	1400	10	13
	1600 mAh Slim Li-ion	1600	12	17
	1800 mAh Li-ion	1800	14	19

Receiver	VHF 12.5kHz		VHF 20/25kHz		UHF 12.5kHz		UHF 20/25kHz	
	Frequencies		146-174MHz		403-440MHz, 438-470MHz, 465-495MHz			
	Sensitivity 12dB SINAD		0.25µV (typical)		0.25µV (typical)			
	Adjacent Channel Selectivity		-65 dB	-70 dB	-65 dB	-70 dB		
	Intermodulation		-70 dB		-70 dB			
	Frequency Stability (-30 C to +60 C)		0.00025%		0.00025%			
	Spur Rejection		-75 dB		-75 dB			
	Image and 1/2 I-F Rejection		-70 dB		-70 dB			
Audio Output @ <5% Distortion		500 mW		500 mW				

Transmitter	VHF		UHF	
	RF Output		RF Output	
	Low	High	Low	High
	1W	5W	1W	4W
	Frequencies		403-440MHz, 438-470MHz, 465-495MHz	
	Channel Spacing		12.5/20/25kHz	
	Frequency Stability (-30 C to +60 C)		0.00025%	
	Spurs/Harmonics		-36 dBm < 1GHz	
	Audio Response (from 6 dB/oct. Premphasis, 300 to 3000Hz)		-30 dBm > 1GHz	
	Audio Distortion @ 1000 Hz, 60% Rated		+1, -3 dB	
FM Noise		-40 dB (12.5kHz)		
FCC Modulation		-45 dB (25kHz)		
		11K0F3E, 16K0F3E		

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