

# maxon

## *Professional Two-Way Radio*

**SM-2000 - 25 Watt VHF/UHF Series Mobile**

**SM-5000 - 50 Watt VHF/UHF Series Mobile**

### ***Powerful Features For A Mobile Environment***

- 208 Ch Alpha/Num Display, Dynamic Channels/Groups up to 13 Groups
- 12.5 or 25 kHz Channel Bandwidth
- CTCSS/DCSS Enc/Dec
- DTMF Encode/Decode, DTMF ANI
- Selcall Encode/Decode, Selcall ANI
- Preset Message System (9 preset text messages)
- Multiple Scan Modes
- Multiple Transmit Options for Scanning
- Nuisance Channel Delete
- Call Button
- Stun/Revive
- Programmable Function Buttons
- RS-232 Data Port
- PA Function, External Speaker Jack
- Busy Channel Lockout
- Time Out Timer/Tx Inhibit

**3 YEAR  
WARRANTY**





# Professional Two-Way Radio SM-2000 and SM-5000 Series

## Specifications

### GENERAL

SM-2102	25W	VHF (148-174 MHz)
SM-2402	25W	UHF (440-480 MHz)
SM-5102	50W	VHF (148-174 MHz)
SM-5402	45W	UHF (440-480 MHz)
Channels	208, Max 13 Groups	
Channel Bandwidth	25/12.5 kHz	
PLL Channel Step	2.5 kHz, 5 kHz, 6.25 kHz	
Frequency Stability	1.5 ppm	
Power Requirement	13.8 V DC	
Current Drain	50 W Tx-9A, 25 W Tx-6.5A Rx @ Max Audio 600 mA Standby 110 mA	
Temperature Range	-22° to 140° F, -30° to +60° C	
Dimension (H/W/L)	1.9/6.2/6.9	
Weight	50.8 oz (3.2 lbs)	
Environment	Meets Mil Std 810F	
Data Port	15 pin Hi-Density D	
External Audio Jack	3.5 mm 8 Ω	

Manufactured to ISO-9001:2000 standard.



### Transmitter

Output Power	SM-5000 50/45 Watt VHF/UHF SM-2000 25 Watt VHF/UHF
Max. Freq Deviation	5 kHz / 2.5 kHz @ W/N Band
Spurious Emissions	-60 dBc
FM Hum & Noise	36 dB@12.5 kHz 42 dB@25 kHz
Audio Distortion	< 2% Int., < 10% Ext.

### Receiver

Sensitivity	.25 uV (12dB SINAD)
Adjacent Ch Reject.	-60 dB @ 12.5 kHz -70 dB @ 25 kHz
Spurious Response	-70 dB
Intermodulation	-65 dB
Audio Output	4W Int. 8W Ext.

Specifications are subject to change.

## Accessories

- Heavy Duty Microphone
- Heavy Duty DTMF Microphone
- Power Supply 110/220V AC
- PC Programming Cable
- PC Programming Software
- Desktop Base Station Microphone

## Standard Package

Radio, standard heavy duty microphone, mounting hardware, 12V fused power cable

### FCC / Industry Canada

SM2102	RXUSM2102	153-SM2102
SM2402	RXUSM2402	153-SM2402
SM5102	RXUSM5102	153-SM5102
SM5402	RXUSM5402	153-SM5402

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