

REXON vs. MOTOROLA MR



Weight: 310g
(1700mAH Li-polymer)

320g
(2100mAH i-polymer)

Dimensions:
125 x 64 x 44mm

Weight: 428g

458g

Dimensions:
137 x 57.5 x 40mm

Characteristics	REXON RL-328S/SK	MOTOROLA GP380
GENERAL	Available in 5keypad or 17 full keypad version	
Number of Channel	Up to 256 CH	255CH
Frequency Range - VHF	26-32, 66-88, 136-174MHz,	29.7-42, 35-50, 136-174MHz
Frequency Range - UHF	300-360 , 400-470, 450-527MHz	403-470MHz
Channel Spacing	12.5/20/25KHz	12.5/20/25KHz
*Quality / Reliability	ETSI 300086 IP54/55 FCC MIL-STD 810 C/D/E/F	EIA 603 ATEX for Intrinsically Safe FCC MIL-STD 810 C/D/E/F
CTCSS/QT/PL	51CTCSS	CTCSS
DCS/DQT/DPL	Yes	?
Signalling keypad	2 tone/5 tone/DTMF 5key (RL-328S)/ full key(RL-328SK)	5 tone full
**VOX	Yes	Yes
Channel Scan	Busy/ Priority/Dual	Dual / Priority
Repeater / Talk-around	Yes	Yes
Busy Channel Lock Out	Yes	Yes
Busy Tone Lock out	Yes	No
Time Out Timer	Yes	Yes
Keypad Lock	Yes	???
Clone	Yes	???
Battery Low Voltage Detect	Yes	???
Squelch Level Setting	Yes	Yes
Power-on Password	RL-328SK	No
Lone worker, Emergency signalling	Yes, by DTMF, 2tone or 5tone (choose one)	Yes, by 5 tone
Temperature Range	-30°C ~ +60°C	-30°C ~ +60°C (Operation)
Frequency Stability (-30°C ~ +60°C)	±2.5ppm	±2.5ppm
TRANSMITTER		
RF Output Power	5W(VHF) 4W(UHF) (max.6W/VHF; 5W/UHF by programmed turbo button)	5W(VHF) 4W(UHF)
FM Hum and Noise	-40dB at 12.5KHz / -43dB at 20KHz -43dB at 25KHz	-40dB at 25KHz / -40dB at 12.5KHz
Modulation Limiting	≤±2.5KHz@12.5KHz/ ≤±5KHz@25KHz	±2.5KHz@12.5KHz/±5KHz@25KHz
Audio Distortion	≤3%	3%
RECEIVER		
Intermediation	≥ -65 dB	-70 dB
Selectivity	≥ -70dB @25KHz / ≥ -60dB @12.5KHz	-70dB @25KHz / -60dB @12.5KHz
Spurious Rejection	≥ -70dB	-75dB
Audio Distortion	≤5%	3%
Output Audio Distortion	≥0.5W @5% Distortion	0.5W @5% Distortion
FM Hum and Noise	-45dB at 25KHz / -40dB at 12.5KHz	-50dB at 25KHz / -40dB at 12.5KHz

Tested by ETSI 300 086

Tested by FCC part 15

*ETSI: European Telecommunications Standards Institute.

IP54: Environment reliability test for Dust Protected & Protected Against Splashing Water.

MIL-STD C/D/E/F: Military Standards of USA, including 11 items of test: Low Pressure, High Temperature, Low Temperature, Temperature Shock, Solar Radiation, Rain, Humidity, Salt Fog, Dust, Vibration, Shock(dropping).

F.C.C: Federal Communications Commission of USA

**VOX: Internal Voice Operated Transmission.