

SP-200 programmable UHF/VHF scanning portables

specifications

general

	VHF model SP-200	UHF model SP-210
FCC Identifier	F3JSP200V2	F3JSP200U2
IC Certification Number	153 195 571A	153 195 572A
FCC Compliance	Parts 15, 22, 74, 80, 90	Parts 15, 22, 74, 90, 95
Frequency Range	(V2) 148-174 MHz	(U2) 440-470 MHz
Scan Groups	13 Scan groups with up to 16 channels per group	
Channels	Up to 199	
Channel Spacing	30 / 25 / 15 / 12.5 kHz	
Channel Spread	26 MHz	30 MHz
Frequency Stability	±5.0 ppm	±3.0 ppm
Standard Signaling Formats	CTCSS, DCS (programmable per channel)	
Battery / Battery Life	1350 mAh Ni-MH (7.5 V dc) / 8 hours for 90:5:5	
Operating Temperature	-22 °F to +140 °F (-30 °C to +60 °C)	
Input Voltage	7.5 V dc Nominal	
Current Drain	<150 µA Off	
Standby	<55 mA - Battery save on <80 mA - Battery save off	
Receive Unmuted (max. AF power)	>400 mA - 100%	
Transmit (RF power)	<2.4 A - 5 W	
Operation Rating	90:5:5 - Standby / RX / TX (max. settings)	
Dimensions (H x W x D)	4.25" x 2.31" x 1.5" (108 x 58 x 38 mm)	
Weight	7.65 oz. (217 g) w/ 1350 mAh battery	
Materials	Die cast aluminum chassis, polycarbonate case	

additional features

VHF: 148-174 MHz; UHF: 440-470 MHz
 User programmable scan list of group channels
 Priority lookback scan
 Dedicated monitor function button with
 nuisance delete
 Dedicated scan / priority button
 Standard removable swivel belt clip

The SP-200 Series scanning radios are manufactured under ISO 9002 quality standards. Maxon's commitment to quality is acknowledged worldwide and is a part of every product we manufacture.



ISO 9002
 Certification

accessories / options

QPA-1350	1350 mAh Ni-MH Battery pack
ACC-100	UHF Antenna (440-470 MHz)
ACC-102	VHF Antenna (148-174 MHz, uncut)
ACC-400	Rapid rate charger
QPA-1411	Power supply, 110V AC (for use with ACC-400)
ACC-705	Ear bud speaker with in-line P-T-T and microphone
ACC-725	Lapel speaker / microphone with ear jack
WTA-9F	Ear speaker with cord (used w/ ACC-725)

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

RF Output	5 Watt or 1 Watt ±10% (prog. per channel)
RF Output Impedance	50 Ω
Spurious and Harmonic Emissions	-60 dBc
Modulation	11K0F3E @ 12.5 kHz, 16K0F3E @ 25 kHz
Modulation Limiting	2.5 kHz max. @ 12.5 kHz, 5 kHz max. @ 25 kHz
FM Hum and Noise	>40 dB @ 12.5 kHz; >40 dB @ 25 kHz
Audio Distortion	<5% at rated modulation

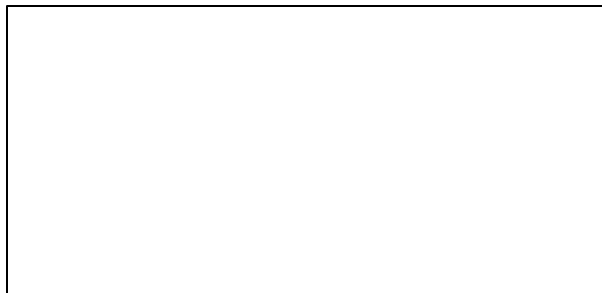
receiver (measurement procedures made per ANSI/TIA/EIA-603)

RF Input Impedance	50 Ω
Sensitivity	
12 dB SINAD	<-118 dBm 0.35 µV <-117 dBm 0.35 µV
Selectivity	>50 dB @ 12.5 kHz; >60 dB @ 25 kHz
Intermodulation	65 dB
Spurious Response Rejection	70 dBc
Image Rejection	>70 dBc
Audio Output	1.0 W (Int.) @ 4 Ω / 550 mW (Ext.) @ 8 Ω (Method @ <10% THD level)
FM Hum and Noise	<40 dB @ 12.5 kHz; <40 dB @ 25 kHz

Specifications are subject to change without notice.

The SP-200 Series Radios are FCC certified for use in U.S.A. and its possessions, and IC approved for sale in Canada. Please ask your Maxon Dealer for additional information.

For more information, contact:



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