

Cat # C5012 AR8200 MKII Scanning Receiver



*** Specifications subject to change without notice due to continuous development of the receiver. E& OE**

Frequency Range	530kHz to 2040MHz (no gaps) Actual frequency input is from 100kHz to 2040MHz. The performance between 100kHz and 530kHz is not guaranteed.												
Receive Mode	AM, NFM, WFM, SFM, WAM, USB, LSB, CW												
Frequency Step Size	50, 100, 200, 500Hz. 1, 2, 5, 6.25, 9, 10, 12.5, 20, 25, 30, 50, 100, 200, 250, 500kHz. Any multiple of 50Hz up to 999.995kHz.												
Receive Sensitivity	<table border="0"> <tr> <td style="vertical-align: top;">530kHz to 2.0MHz</td> <td>AM 3.50uV (10dB S/N)</td> </tr> <tr> <td style="vertical-align: top;">2.0MHz to 30MHz</td> <td>SSB 1.0uV (10dB S/N) AM 2.5uV (10dB S/N)</td> </tr> <tr> <td style="vertical-align: top;">30MHz to 470MHz</td> <td>SSB 0.30uV (10dB S/N) AM 0.70uV (10dB S/N) NFM 0.35uV (12dB SINAD) WFM 1.00uV (12dB SINAD)</td> </tr> <tr> <td style="vertical-align: top;">470MHz to 1.0GHz</td> <td>NFM 0.50uV (12dB SINAD) WFM 1.50uV (12dB SINAD)</td> </tr> <tr> <td style="vertical-align: top;">1.0GHz to 1.3GHz</td> <td>NFM 1.0uV (12dB SINAD)</td> </tr> <tr> <td style="vertical-align: top;">1.3GHz to 1.9GHz</td> <td>NFM 2.50uV (12dB SINAD)</td> </tr> </table>	530kHz to 2.0MHz	AM 3.50uV (10dB S/N)	2.0MHz to 30MHz	SSB 1.0uV (10dB S/N) AM 2.5uV (10dB S/N)	30MHz to 470MHz	SSB 0.30uV (10dB S/N) AM 0.70uV (10dB S/N) NFM 0.35uV (12dB SINAD) WFM 1.00uV (12dB SINAD)	470MHz to 1.0GHz	NFM 0.50uV (12dB SINAD) WFM 1.50uV (12dB SINAD)	1.0GHz to 1.3GHz	NFM 1.0uV (12dB SINAD)	1.3GHz to 1.9GHz	NFM 2.50uV (12dB SINAD)
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Selectivity	SSB/NAM 3.0kHz (-6db), 9kHz (-60db) AM/SFM 9kHz (-6db), 20kHz (-40db) WAM/NFM 12kHz (-6dB), 25kHz (-40dB) WFM 50kHz (-3db), 380kHz (-20db)												
Power Consumption	190mA (nominal) 145mA (stand by) 25mA (power save) 4 x AA internal cells or 12V DC external supply.												
Dimensions	61(W) x 143(H) x 39(D) mm												
Weight	217g (311g including NiCads, 356g including NiCads & aerial.												
Memory Channels	1000 (20 banks)												
Select-scan Channels	50												
Priority Channels	1												
Search Banks	40												
PASS Channels	50 per search bank + 50 for VFO search												
Scan/Search Rate	Maximum 37.42 steps per second. With auto-mode off, 10kHz step*, lock time 2mS*, squelch-wait 12mS*. (* This value is preset and varies depending upon band and step. Squelch-wait times of 15mS, 25mS and 30mS are employed.)												