

SG-239

The Budget Smartuner™

Your Low Cost Tuning Solution!

Get a high quality, high performance Smartuner antenna coupler at a price to fit your budget.

SGC makes the best, most flexible couplers available. No tuner on the market can match it. Performance features of the SG-239 are far ahead of its low price. The unit will work within the range of 1.5 to 200 watts. It has 170 memory bins, with fast, accurate tuning via independent sensors, including VSWR, phase, magnitude, low impedance, and forward sensing. Other couplers only sense the VSWR for a proper match – the SG-239 does it all and does it fast.



SGC has extensive online information and customer service available and specializes in solutions to your communications needs. No other company puts as much effort into service as SGC does. When you choose SGC, you get the best product and the best service at the best price!

Smartuners are the original and still the best. You can see the value for yourself.

	SGC	The Competition
Memory	170 memories	None
Antenna Sensors	Forward Power Reverse Power Impedance Phase Frequency	VSWR
Impedance Range	.5 to 5000 ohms	6 to 800 ohms
Tuning Speed	10 ms from memory	.1 to 5 seconds at any time
High Voltage and Current Capacitors	Four	None



No Compromise Communications

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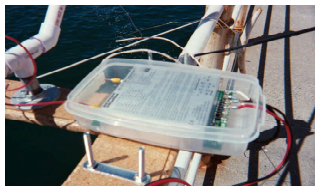
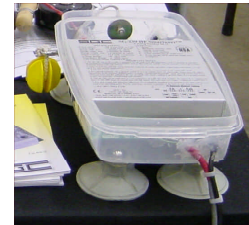
The SG239 works with ANY HF transceiver available including the legendary SG-2020 transceiver. It will match most types of antennas and can be used with balanced (dipoles, loops, etc.) or unbalanced (random wires, verticals, etc.) antennas.

HF Frequency Range:	1.8-30 MHz
Power Input Range:	1.5-200 watts (PEP) Or CW duty cycle 40%
Number of channels:	unlimited
Revolving memory bins:	165 TX; 5 RX
Input Impedance Range:	.2-5000 ohms
VSWR:	(Typical) Typically less than 2:1
DC Input Requirement:	+13.8 VDC (nominal)
DC Operating Range:	+10 to 18.5 VDC
Input Current:	Average: 230 milliamps
Random set time:	Typical: less than 2 seconds
Recurrent set time:	Typical: less than 10 milliseconds
Antenna Length:	Minimum length of 9 ft. - 7 to 30 MHz @ 100W Minimum length of 40 ft. - 3 to 30 MHz @ 200W Minimum length of 100 ft. - 1.8-30 MHz @ 100W
Installation:	Any position
Operating Temperature:	-35° to +70°C
Size:	7.5"L x 6"W x 1.85"H (19cm x 15cm x 4.5cm)
Weight:	2 pounds
Case Construction:	Irridated aluminum case
Control Cable (not supplied):	Standard coaxial and 2 wires for DC plus 2 wires of a optional SmartLock gauge 14-18
Antenna types:	1. Whip 2. Backstay (marine, sail) 3. Dipole centerfed 4. Dipole with feedline 5. Loop (small) 2x2 multi turn 6. Loop (large) 10 ft. and up single turn 7. Longwire 8. Ladder feed 9. Coaxial Fed Antennas

CONVENIENT AND EASY TO USE

Use the SG-239 in a variety of ways, including marine, mobile, shack, and aviation. It can be a tool kit for building your own antenna solution.

On the right is an SG-239 in a waterproof container with suction cups. The power and RF feed lines go in through the bottom of the container and two wires come out, ready to connect to a dipole antenna.



The Original - The Best!

The Smarttuner at left was used with an inverted delta loop antenna during a special event operation and made contact with 12 countries on PSK31.

Specifications subject to change without notice.

The Smart Choice - Smarttuner!

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