



## Features & Benefits

- Four standard return path signal generator models: SCG-F, DCG-F1/F2, HG-742, and HG-864 ("F" denotes frequency); other configurations are available on request.
- Frequencies for HG Series are 7, 14...42MHz for North American and 8, 16...64MHz for international markets with output levels up to 50BmV..
- Frequencies for SCG and DCG Series units can be customer specific with output levels up to 50dBmV.
- Generators operate from built-in rechargeable battery. Include an AC power adapter for charging rechargeable batteries.
- Output frequencies of the two-carrier unit, Model DCG-F1/F2, are each controlled by an independent on/off switch.

**THREE YEAR PARTS AND LABOR WARRANTY INCLUDED**

*Our complete line of pocket-size RF generators includes flat-output, crystal controlled harmonic models for North American and international frequency allocations, as well as single and dual carrier generators.*

*These inexpensive portable signal sources provide a cost-effective solution for testing return path applications during initial set up, as well as when your cable plant is fully up and operating.*

*We can customize frequencies for single and dual carrier generators, depending on the unused frequency range in your system.*

*The generators' durable housing can withstand rough field handling, and should you accidentally drop the unit.*

*The LED Indicator Display shows capacity of battery. Generator's own self-protection electrical circuit protects battery from overcharge.*

*While you can use our generators for several applications, the most popular are proofing your subscriber's drop prior to the installation of a cable modem, and return path activation and balancing.*

*Used harmonic generators in conjunction with signal level meter, these generators have also been proven effective in measuring insertion loss of cables, amplifiers, splitters and taps in return path frequency band.*

### Technical Specification:

### Harmonic Generators

<i>Parameter</i>	<b>HG-864</b>	<b>HG-742</b>
Output Frequency, MHz	<b>8,16,24,32,40,48,56,64</b>	<b>7,14,21,28,35,42</b>
Output Impedance, Ohms	<b>75</b>	<b>75</b>
Output Level, dBmV	From <b>40</b> to <b>50</b>	From <b>40</b> to <b>50</b>
Output Flatness, dBmV	<b>±0.5</b>	<b>±0.35</b>
Spurious Output, dBc	At least <b>-60</b>	At least <b>-60</b>
Out of Calibration Alarm	Built-in	Built-in
Charging Time	<b>8</b> Hours	<b>8</b> Hours
Battery Operating Time	<b>8</b> Hours minimum	<b>8</b> Hours minimum
Charger (AC-DC Adapter) Input: AC 110V-240V-50/60Hz	<b>Output</b> <b>7.5V-12V 0.5A-2A</b>	<b>Output</b> <b>7.5V-12V 0.5A-2A</b>
Dimensions	<b>90x35x30</b> mm	<b>3.5"x1.4"x1.2"</b>

### Technical Specification:

### Dual and Single Carrier Generators

<i>Parameter</i>	<b>DCG-F1/F2</b>	<b>SCG-F</b>
Output Frequency Range, MHz	<b>5 to 110</b> (any two)	<b>5 to 110</b> (any one)
Output Impedance, Ohms	<b>75</b>	<b>75</b>
Output Level, dBmV	From <b>35</b> to <b>50</b>	From <b>35</b> to <b>50</b>
Output Flatness, dBmV	<b>±0.25</b>	N/A
Spurious Output, dBc	At least <b>-60</b>	At least <b>-60</b>
Out of Calibration Alarm (Low Battery)	Built-in	Built-in
Charging Time	<b>4</b> Hours	<b>4</b> Hours
Battery Operating Time	<b>24</b> Hours minimum	<b>36</b> Hours minimum
Over-Voltage Protection	<b>90</b> VAC/VDC	<b>90</b> VAC/VDC
Charger (AC-DC Adapter) Input: AC 110V-240V-50/60Hz	<b>Output</b> <b>7.5V-12V 0.5A-2A</b>	<b>Output</b> <b>7.5V-12V 0.5A-2A</b>
Dimensions	<b>4.2"x2.5"x1.5"</b> ( <b>110x62x37</b> mm)	<b>3.5"x1.4"x1.2"</b> ( <b>90x35x30</b> mm)

Specifications are subject to change without notice