



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 55dBmV.
- Generators operate from built-in Lithium-Ion rechargeable battery with overcharge protection, short circuit protection and 4 levels LED battery charge display.
- 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 metal housing can withstand rough field handling, and should you accidentally drop the unit, the solid metal shield eliminates damage to the on/off switch.

The 4 levels 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>	HG-864	HG-742
Output Frequency, MHz	8,16,24,32,40,48,56,64	7,14,21,28,35,42
Output Impedance, Ohms	75	75
Output Level, dBmV	From 40 to 50	From 40 to 50
Output Flatness, dBmV	± 0.5	± 0.35
Spurious Output, dBc	At least -60	At least -60
Out of Calibration Alarm	Built-in	Built-in
Charging Time	8 Hours	8 Hours
Battery Operating Time	8 Hours minimum	8 Hours minimum
Charger and Micro-USB connector with DC3.5 switch cable	5VDC/1A	5VDC/1A
Dimensions	120x40x32 mm	4.7"x1.6"x1.3"

Technical Specification:

Dual and Single Carrier Generators

<i>Parameter</i>	DCG-F1/F2	SCG-F
Output Frequency Range, MHz	5 to 145 (any two)	5 to 145 (any one)
Output Impedance, Ohms	75	75
Output Level, dBmV	From 35 to 55	From 35 to 55
Output Flatness, dBmV	± 0.25	N/A
Spurious Output, dBc	At least -60	At least -60
Out of Calibration Alarm	Built-in	Built-in
Charging Time	16 Hours	16 Hours
Battery Operating Time	70 Hours minimum	80 Hours minimum
Over-Voltage Protection	90 VAC/VDC	90 VAC/VDC
Charger and Micro-USB connector with DC3.5 switch cable	5VDC/1A	5VDC/1A
Dimensions	5.6"x2.5"x1.3" (140x64x32 mm)	4.7"x1.6"x1.3" (120x40x32 mm)

Specifications are subject to change without notice