



**APPLIED INSTRUMENTS, INC.**

RF TEST AND MEASUREMENT

## 5112 RF Carriers for Alignment and Testing

The 5112 is a portable RF signal generator, available in configurations with one to six carriers. Each carrier can be activated individually or simultaneously.

The 5112 generates CW carriers that are extremely clean and stable, making it ideal for testing and aligning CATV forward and return paths, as well as commercial and institutional networks.



# Multi-Carrier Signal Generator Model 5112 (5-1218 MHz)



**Model 5112**  
(Model 5112 shown above with optional carrying case)

***"Reliability through Simplicity"***

## FEATURES

- Field portable, compact, rugged design
- Strong, rechargeable internal battery
- Adjustable carrier output level
- Carriers can be activated individually or simultaneously
- Each carrier's frequency and amplitude is very stable and precise
- Output is spectrally clean

## STANDARD ACCESSORIES

- User operation manual
- AC power line cord

## OPTIONAL ACCESSORIES

- Padded carrying case with shoulder strap

## ORDERING INFORMATION

- Specify the desired number of carriers (from 1 to 6)
- Specify the desired frequency (MHz) for each carrier
- Indicate whether or not the padded carrying case option is to be included

Feel free to contact us for any special requests.

## SPECIFICATIONS

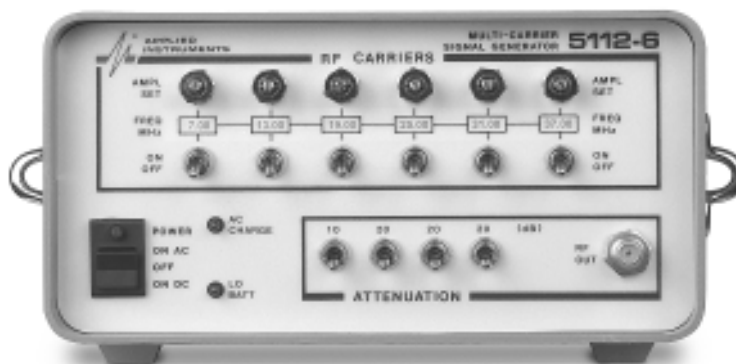
|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| RF Carrier Type .....    | Fixed frequency, crystal controlled, Continuous Wave (CW) |
| Frequency Range .....    | 5 to 1218 MHz<br>(customer specifies at time of order)    |
| Frequency Accuracy ..... | greater of 0.01% or 1.0 kHz                               |

|                         | Frequency (MHz) |          |           |
|-------------------------|-----------------|----------|-----------|
| Max output level (dBmV) | 5-860           | 861-1000 | 1001-1218 |
| 1 to 2 carriers .....   | +59             | +57      | +55       |
| 3 to 4 carriers .....   | +55             | +53      | +51       |
| 5 to 6 carriers .....   | +52             | +50      | +48       |

### Output Level Adjustment

|                                 |                                                                               |
|---------------------------------|-------------------------------------------------------------------------------|
| Front Panel                     |                                                                               |
| Potentiometer.....              | 13 dB (each carrier)                                                          |
| Front Panel Controlled          |                                                                               |
| Attenuator (Optional).....      | 0 to 70 dB in 10 & 20 dB steps (all carriers)                                 |
| Amplitude Stability.....        | ± 0.5 dB/setting                                                              |
| Spectral Purity .....           | at least -60 dBc std. (>-70 dBc avail.)                                       |
| Output Impedance.....           | 75Ω                                                                           |
| Operating Temperature           |                                                                               |
| Range .....                     | 0 °F to 120 °F (-18 °C to +50 °C)                                             |
| Power AC .....                  | 120/240 V, 60/50 Hz                                                           |
| Power DC .....                  | Internal Rechargeable NiCd Battery                                            |
| Operation Time per Charge ..... | >12 hours continuous                                                          |
| Time Required to                |                                                                               |
| Recharge Battery.....           | ± 12 Hours                                                                    |
| Enclosure Type, Size,           |                                                                               |
| Weight .....                    | Aluminum, 7.4"W x 4"H x 10"D, 8lbs.<br>(18.4cm) x (10.2cm) x (25.4cm), 3.63kg |

*Specifications subject to change without notice.*



FRONT



BACK

Rev 1 Mar 2016

5230 Elmwood Ave.

Indianapolis, Indiana 46203 USA

Tel: (317) 782-4331 Fax: (317) 786-9665

Toll Free in USA: 1-800-244-2976

<http://www.appliedin.com>



**APPLIED INSTRUMENTS, INC.**

RF TEST AND MEASUREMENT