

# PC-2X

HANDHELD TWO-CARRIER CW TEST SIGNAL GENERATOR



## OVERVIEW

The PC-2X is a handheld RF signal generator. It generates two CW carriers that are extremely clean and stable. The PC-2X is popular with CATV installers and service technicians who align and test the return path. It is also handy for measuring the insertion loss of cable, splitters, taps, and more when used in conjunction with a signal level meter or spectrum analyzer. Because of its excellent frequency and amplitude accuracy, the PC-2X is great for calibrating signal level meters and spectrum analyzers.

## Two-Carrier Signal Generator Model PC2X



## BENEFITS

- Cost-effective
- Compact and convenient handheld design
- Field replaceable "F" connector
- Stable and Precise Carrier Frequency and Amplitude
- Output is spectrally clean
- Carriers drop out with low battery (no sagging)
- It can be used with the XR-3 equipped with a cable/air tuner module. (XR-CA-01 or XR-CA-02)

## STANDARD ACCESSORIES

- Five-volt power cube - 3A

# PC-2X

## HANDHELD TWO CARRIER CW TEST SIGNAL GENERATOR

### SPECIFICATIONS

- **RF Carrier Type (each)**
  - Frequencies can be adjusted in 5 kHz increments, Continuous Wave (CW)
- **Frequency Ranges**
  - Channel 1: 5 MHz to 50 MHz
  - Channel 2: 50 MHz to 204 MHz
- **Frequency Accuracy**
  - Greater than 0.01% or 1.0 kHz
- **Amplitude Stability**
  - $\pm 0.2$  dB
- **Spectral Purity**
  - at least -50 dBc
- **Amplitude Output Level**
  - Maximum Output: +50 dBmV (110 dBuV)
  - Adjustable output range of 30dB, between 20dBmV and 50dBmV
    - 0.5dB adjustable steps
- **Two Independent Channels**
  - The output level can be adjusted separately for each channel
- **Output Impedance**
  - 75 $\Omega$
- **Operating Temperature Range**
  - 0\* F to 120\* F (-18\* C to +50\* C)
- **Power DC**
  - Internal, rechargeable LiPo battery, 3.7V, 3450mAh
- **Operation Time per Battery**
  - Approximately 3 hours continuous after full charge at full output
- **Low Battery Indicator**
  - Can be monitored on the LCD display
- **Low Battery Cutoff**
  - Turns off carriers when battery power is insufficient
- **Enclosure Type, Size, Weight**
  - ABS Plastic
  - 6.1"W x 3.5"H x 1.3"D (155 x 88 x 33 mm)
  - 9.6 oz. (272 g)

*Specifications subject to change without notice.*

