

Signal Generator

App controlled signal generator, Wi-Fi 802.11n features, USB charging, F-type connector, Ethernet

KEY FEATURES

- Output frequency range: 24MHz-1.7GHz
- Stepping : 1MHz
- Power: USB2.0 (+5V/2A)
- Interface : USB2.0, F-type male connector
- APP for Smartphone/tablet usage (iOS/Android)
- Manual mode for simple setting
- Wi-Fi 11b/g/n with internal antennas
 - 2T2R 2.4GHz with 150Mbps PHY rate
 - Frequency range : 2412~2462MHz
- Includes a 5V battery
- Output power : 40dBmv, 60dBmv (configurable)
Tolerance: +/-3dBmv
- Simple buttons setting for Hi/Lo frequency/power
- LEDs indicator for Signal output



Empower technicians to troubleshoot the whole home

The CSN-01 is a signal generator. Paired with an Hitron wireless DOCSIS meter (CGN-DP2, CGN-DP3), CSN-01 induces signal to the home cabling to detect the bouncing frequencies. It communicates results to the MyMeter app which also controls the wireless handheld meter. The frequencies and power are adjustable via the app. Two default power and frequencies can be switched easily from push buttons on the unit.

MyMeter - The app

The MyMeter app is designed for iOS/Android mobile device. It will detect the equipment to interact with and offer all data to the technician in one application. All related parameters and settings will be managed via the mobile device app to the CSN-01 via WiFi connection. It is the same application that supports CGN-DP3 and CGN-DP2 (Hitron's wireless DOCSIS meters). App is providing a wide selection of different test and analysis.



Signal Generator
CSN-01



Mobile Device
iOS/Android



Handheld Meter
(CGN-DP3 or CGN-DP2)

SPECIFICATIONS

Connectivity

- 1x RF F-type 75Ω male connector
 - Female F-81 Coax Barrels included
- 1x RJ-45 Ethernet port 10/100 Mbps
- 1 x USB



Management

- Push buttons for easy utilisation
- App-based GUI for configuration and management



Mechanical

- 9 status LEDs
- 7 push buttons:
 - Power ON/OFF
 - Factory reset
 - Force off
 - 4 quick modes
- Dimensions: 178.4mm (W) x 92mm (H) x 42mm (D)
- Weight: 400g ± 10g

Wireless

- 802.11a/b/g/n
- 2T2R 2.4GHz (2412MHz-2462MHz) 802.11n with 150Mbps PHY data rate
- 20/40MHz channel bandwidth
- Wi-Fi output power range :
 - 802.11n: 13dBm
 - 802.11g : 15dBm
 - 802.11b : 17dBm

Generated signal via RF-connector

- Output frequency range: 24MHz-1.7GHz
 - Frequency Accuracy: +1k @ 1GHz
- Output power : 40dBm, 60dBm (configurable)
 - Tolerance: +/-3dBm

Electrical

- USB Power input: 5V / 2A
- Power consumption: 10W (typical)
- Battery with lithium battery cells
- Surge protection:
 - RF input sustains at least 4KV
 - Ethernet RJ-45 sustains at least 4KV

Environmental

- Operating temperature: 0°C (32°F) - 40°C (104°F)
- Operating humidity: 10% - 90% (non-condensing)
- Storage temperature: -40°C (-40°F) - 80°C (176°F)
- Indoor use (IP Code: IP30)

Included Accessories

- Carrying bag
- Soft touch silicon sleeve
- Na-771 Antenna and BNC-to-Coax adapter

Compliance Certificates

- FCC, IC
- RoHS compliant

