

B813 100kHz to 150MHz RF Signal Generator

- 100kHz to 150MHz Frequency range
- Output to 450MHz is possible using the 3rd harmonic
- Two position attenuator plus fine control for setting output voltage levels
- Internal and external modulation
- Highly stable frequency output with external crystals
- Excellent on the service bench and in the classroom



B813

B850 10Hz to 1MHz Wide Range Audio Generator

- Wide 10Hz to 1MHz Frequency range
- Low distortion Sine wave and Square wave output
- Lightweight, Rugged construction
- Frequency setting via large frequency dial
- Ideal for classroom or audio bench



B850

■ SPECIFICATIONS

[B813]

Frequency

Frequency Ranges:

- A) 100kHz to 320kHz
- B) 300kHz to 1100kHz
- C) 1MHz to 3.3 MHz
- D) 3MHz to 11MHz
- E) 10MHz to 35MHz
- F) 30MHz to 150MHz
- G) 90MHz to 450MHz (with the 3rd harmonic)

Frequency Dial Accuracy: $\pm 5\%$

RF Output Level:

High Level: Approx. 250mV RMS Max

Low Level: Approx. 30mV RMS Max

Audio Output: 1V RMS @ 1kHz

Modulation:

Int: 1kHz for 30% AM modulation

Ext: 50Hz to 20kHz with < 1V RMS input

Audio Output Frequency: 1kHz

Output Voltage: 2V RMS Min

EXT Crystal Oscillator: 1MHz to 15MHz crystals may be used for precise frequency control.

General Specifications

Size: 6.0" H x 10.0" W x 5.0" D

Weight: 5 lbs.

Power Requirements:

AC line voltage: 115V/220V AC

Frequency: 50/60Hz

Power Consumption: 4VA

Supplied Accessories: Manual, BNC cable, Line cord

[B850]

Output Characteristics

Frequency Range: 10Hz to 1MHz in 5 ranges

Frequency Accuracy:

10Hz to 1MHz: $\pm 5\%$

100Hz to 100kHz: $\pm 3\%$

Amplitude: > 20V P-P open circuit; > 10V P-P into 600 Ω

Output Impedance: 600 Ω

Output Attenuation: 0dB, 20dB, 40dB steps and fine adjustment attenuator control

Sine Wave Characteristics

Distortion: < 0.05% from 500Hz to 50kHz

< 0.5% from 50Hz to 500kHz

Square Wave Output

Frequency Range: 10Hz to 100kHz

Output Voltage: > 15V P-P

Rise Time: < 500ns

External Sync Input

Input Impedance: Approx. 10K Ω

Max. Input Voltage: 10V RMS

General Specifications

Power Requirements: AC line voltage: 115V/230V $\pm 10\%$

Frequency: 48Hz to 66Hz

Power Consumption: 3VA

Size: 6.0" H x 10.0" W x 5.0" D

Weight: 5.5 lbs.

Supplied Accessories: Manual, Line cord, Test leads