

Script

Over the voice:

(1) Signal generators (or function generators) are used to generate a waveform of specific frequency and amplitude. There are numerous models and makes of signal generators, but they all have the same core function: to generate a clean signal of definable amplitude and frequency.

(2) The signal generator is connected to the test equipment using a BNC connector, either the 50 or 600 ohm output.

(3) The auxiliary output produces a zero to 5 volt square wave for driving logic circuits.

~~The type~~

(4) The type of wave-form is selected using

the function buttons on the generator - sinusoidal, square, or triangular. ⁽⁵⁾ The frequency of the signal is set using the frequency range button in conjunction with the frequency adjustment dial which applies a multiplier to scale the signal range. —

(6) The amplitude for the signal is set by adjusting the amplitude dial.

(7) If needed an offset voltage can be introduced to the signal using the DC offset dial.

(8) Here, it's all about the core functions of signal generator.