

TEST INSTRUMENTS

The FG-2000 series function generator utilize advance Direct Digital Synthesis (DDS) technology to create highly accurate and stable output signals including sine, square, and triangle waveforms up to 20MHz with 5V peak-to-peak amplitude in a portable hand-held unit.

There are four models in the FG-2000 series, FG-2005, FG-2010, FG-2015, and FG-2020, featuring up to 5MHz, 10MHz, 15MHz, and 20MHz maximum output waveform frequency respectively. The FG-2000 series also feature a numerical keypad for simple frequency setting, an 8-digit LCD frequency display, and built-in non-volatile memory for store/recall up to 50 setup parameters. The FG-2000 series function generator comes in a rugged, highly portable package that is ideal for on-the-bench and in-the-field testing.

There are two BNC connectors for simultaneous sine/triangle and square wave output. The FG-2000 series also feature variable sine and triangle wave amplitude control. The instruments can be power from the included 7.5V AC adapter or a standard 9V battery.

Features

- ◆ Up to 20MHz output frequency and 5V peak-to-peak amplitude
- ◆ DDS technology with microprocessor control for clean and accurate waveform
- ◆ Multiple output waveforms include sine, triangle, and square wave
- ◆ Numerical keypad for simple and accurate frequency setting up to 0.2Hz step
- ◆ 8-digit LCD frequency display
- ◆ Two BNC outputs for simultaneous square waveform and sine/triangle waveform output
- ◆ Sine/triangle waveform amplitude adjustable up to 5V peak-to-peak
- ◆ Built-in non-volatile flash memory for store/recall of up to 50 setup parameters (both frequency value and waveform type)
- ◆ Low battery indicator
- ◆ AC adaptor power source or standard 9V battery operation
- ◆ Ideal for on-the-bench and in-the-field testing
- ◆ Easy to use, lightweight, and portable

Technical Specifications

- ◆ Waveforms: Sine, Triangle, Square
- ◆ Range: Sine/ Square waveform: DC to 5MHz (FG-2005)
DC to 10MHz (FG-2010)
DC to 15MHz (FG-2015)
DC to 20MHz (FG-2020)
- ◆ Triangle waveform: DC to 2MHz (All models)
- ◆ Frequency Resolution: 0.2 Hz steps (under 10MHz)
1 Hz steps (10MHz to 20MHz)
- ◆ Crystal accuracy: +/- 30ppm
- ◆ Sine, Triangle wave: 5Vp-p (no load) with variable amplitude control
- ◆ Square wave: 5Vp-p
- ◆ Output impedance: 50 ohm
- ◆ Store/Recall Memory Size: Store/Recall 50 setup parameters
- ◆ Power: Standard 9V battery or external AC adapter
- ◆ Dimensions: 5.7"(H) x 3.8"(W) x 1.5"(D)
- ◆ Include accessories: 1pc - 7.5V AC adapter; 1pc - protective rubber boot

