TEST INSTRUMENTS

The FG-3000 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 12V peak-to-peak amplitude and DC offset variable up to ±5V in a portable hand-held unit.

There are four models in the FG-3000 series, FG-3005, FG-3010, FG-3015, and FG-3020, featuring up to 5MHz, 10MHz, 15MHz, and 20MHz maximum output waveform frequency respectively. The FG-3000 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-3000 series function generator comes in a rugged, highly portable package power from the included 11V AC adapter. That is ideal for on-the-bench and in-the-field testing.

Features

♦ Up to 20MHz output frequency and 12V 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 12V adjustable sine/triangle /square waveform and 5V fixed square waveform output
♦ Built-in flash memory for store/recall of up to 50 setup parameters
♦ AC adaptor power source operation
♦ Ideal for on-the-bench and in-the-field testing
♦ Easy to use, lightweight, and portable

Technical Specifications

♦ Waveforms: Sine, Triangle, Square
♦ Range: UP to 20MHz For Sine, Square
          DC to 2 MHz For triangle
♦ Frequency Resolution: 0.2 Hz steps (DC to 10MHz)
                         1 Hz steps (10MHz to 20MHz)
♦ Crystal Accuracy : +/- 30ppm
♦ Two BNC outputs :
  1) One BNC output for Sine/Triangle/Square wave: 12Vp-p
             (no load) with variable amplitude control
  2) One BNC output for Square wave: Fixed 5Vp-p
♦ DC Offset Range: Variable up to ±5V
♦ Output impedance: 50 ohm
♦ Store/Recall Memory Size: Store/Recall 50 setup parameters
♦ Power: external 11V AC adapter
♦ Dimensions: 5.7"(H) x 3.8"(W) x 1.5"(D)

www.gmetechnology.com