

FUNCTION GENERATOR

Model : FG-2003

ISO-9001, CE, IEC1010



FEATURES

- * Deluxe function generator combined with a 5 digit, high resolution 60 MHz counter.
- * 4-in-1 instrument :
 - Function Generator
 - Pulse Generator
 - Sweep Generator
 - Frequency Counter.
- * 6 waves forms for function generator.
- * Function generator range :
0.5 Hz to 3 MHz.



LUTRON ELECTRONIC

The Art of Measurement

FUNCTION GENERATOR & FREQUENCY COUNTER, Model: FG-2003

FEATURES

* The FG-2003 is a deluxe function generator combined with a 5 digit, high resolution 60 MHz counter.	* Sweep Generator: FG-2003 provides linear sweep or log sweep selection switch to select the sweep mode. Maximum sweep width is 1:100 and sweep speed is from 5sec to 10ms. The FG-2003 also provides VCF input and synchronous Output Function.
* FG-2003 is a 4-in-1 instrument: Function Generator, Pulse Generator, Sweep Generator, Frequency Counter.	
* Function Generator: 6 waveforms selected by rotary switch instead of push button, to prevent miss-touch or bad connection. Maximum output 20Vp-p(No-load), and Minimum output 0.1 Vp-p(No-load).	* Frequency Counter: The FG-2003 has a 5 digit micro controlled counter. FG-2003 features include auto ranging, auto gate time, high resolution 0.001Hz, high input impedance 1M Ω , and high bandwidth 0.2Hz~60MHz. FG-2003 also provides triggering features such as an adjustable trigger $\pm 2.5V$ with LED indicator, AC/DC selector, 100KHz filter, and input attenuator input x 20 for 300Vrms high voltage signal. The unit will also display the frequency of the signal produced by the function generator.
* Pulse Generator: FG-2003 provides positive pulse and negative pulse output, Maximum output 20Vp-p(No-load). Frequency is displayed by LEDs, pulse width is from 0.4sec to 100ns. This will meet most of your audio, Video and other basic electronic application requirements.	

GENERAL SPECIFICATIONS

Generator

Frequency	0.5 Hz ~ 3 MHz with 5 digit LED display, Max. resolution 0.001 Hz in 6 steps.
Waveform	Sine, Square, Triangle, Ramp, Positive Pulse and Negative Pulse; 6 waveforms total.
Stability	0.1 % ~ 15 minutes after power-on. 0.2 % ~ 24 hrs after power-on.

Counter

Display	5 digits 0.36" red LED.
Max. Resolution	0.001 Hz.
Display Unit	Hz / KHz Automatically controlled by CPU.

Common Specification

Limits of Operation	0 ~ 40 °C, 10 ~ 80 %R.H.
Storage Environment	-20 ~ 70 °C, 0 ~ 90 %R.H.
Power Consumption	25 W.
Power Source	AC 115 V ($\pm 10\%$) 50/60 Hz, FUSE:600 mA AC 230 V ($\pm 10\%$) 50/60 Hz, FUSE:300 mA
Ventilation	DC 12 V / 100 mA Fan.
Dimension	275 x 90 x 300 mm.
Weight	2.5 Kg / 5.5 LB.
Standard Accessories	Power cord.....1 PC. operation manual.....1 PC.
Optional Accessories	AT-20.....Telescoping RF pick-up antenna with BNC connector. PB-21Direct cable with BNC connector & alligator clip pairs. (Be used only for the measuring frequency ≥ 500 MHz) BB-22.....Direct cable with double BNC connector. NN-23.....Direct cable with double N coaxial connector. NB-24.....BNC to N coaxial connector adapter.