

Function Generator 0.1Hz To 10MHz (Digital)



Product Categories: [Electronics](#), [Engineering Equipment](#), [Function Generators](#), [Function Generators](#)

Product Page:

<https://www.labappara.com/product/function-generator-0-1hz-to-10mhz-digital/>

Product Description

Features :

Output Waveform: Sine, Square, Triangle, Ramp, Pulse

Voltage Control Frequency (VCF) capability

TTL/CMOS and output synchronous output

1Hz~30MHz(Ext.) Frequency Counter

AM & FM Output

Technical Specifications :

Frequency range : 0.1Hz ~ 10MHz

Output waveform : Sine, Triangle, Square, Positive & Negative Pulse, Positive & Negative Ramp

Output impedance : 50ohms \pm 10%

Amplitude : Not less than 20V p-p (open circuit)

DC voltage : 0 ~ +10V continuously adjustable

Symmetry range : 90:10 - 10:90

Rising edge of square : <50ns

Sine characteristics : < 1% at 10Hz ~ 100KHz

Distortion

Frequency response : 0.1Hz ~ 100kHz :< ± 0.5 dB, 100kHz ~ 2MHz :< ± 1 dB

TTL/CMOS Output level : TTL low level <0.4V in pulse wave, high level

<3.5V. CMOS low <0.5V in pulse wave,

High level 5V~14V continuously Variable

Rising time : < 100ns - 50ns

VCF Input

Output voltage : -5V~0V $\pm 10\%$

Max. Volt-controlled : 1000:1

Input signal : DC ~ 1kHz

Frequency Counter

Measuring range : 1Hz ~ 30MHz

Input impedance : Not less than 1Mohms/ 20pF

Sensitivity : 100mV rms

Max. Input : 150V (AC + DC)

Input attenuation : 20dB

Accuracy : Less than 0.003% ± 1 digit

Power requirement : 220 VAC +10% , 50 Hz

Weight : 3.0Kg Approx.

Dimensions (mm) : 225(L) x 270(B) x 85(H)