

Product Name :
Digital Function Generator

Product Code :
Physics Lab0016



Description :

Digital Function Generator

We are Leading Supplier of Digital Function Generator in India. We also bulk supply Digital Function Generator for laboratory tenses.

Features :

Multi waveforms : Sine, Triangle, Square etc.

Built in 5 digits counter

DC offset and VCF input

Symmetry continuously adjustable

Technical Specifications :

Main Output :

Output frequency : 0.03Hz ~ 3MHz

Output waveforms : Sine, triangle, Square etc.

Output Impedance : 50Ω , $\pm 10\%$

Output amplitude : $\approx 20V_{pp}$ (no load)

Output attenuation : 0dB / 20dB / 40dB / 60dB

DC offset : 0 ~ $\pm 10V$ (adjustable)

Symmetry : 10% ~ 90%

Sine Wave :

Distortion factor : 10Hz ~ 100KHz $< 1\%$

Frequency response : 0.2Hz ~ 100KHz $\pm 0.5dB$ and 100KHz ~ 2MHz $\pm 1.0dB$

Rise or fall time of Square wave : $< 100ns$

TTL output :

Rise or Fall time : $\approx 1\mu\text{s}$
Low & high level : $\approx 0.4\text{V}$ & $\approx 3.5\text{V}$
Impedance : 600Ω
VCF :
Input voltage : $-5\text{V} \sim 0\text{V}$
Input Impedance : $10\text{K}\Omega \pm 10\%$
Counter :
Display : 5 digits
Frequency range : $1\text{Hz} \sim 15\text{MHz}$
Input Impedance : $\approx 1\text{M}\Omega / 20\text{pF}$
Sensitivity : 100mVrms
Accuracy : $0.1\text{Hz} / 1\text{Hz} / 10\text{Hz} / 100\text{Hz}$
Error : $\approx 0.003\% \pm 1 \text{ digit}$
input voltage : 150V (AC+DC) with attenuator
Input attenuation : $0\text{dB} / 20\text{dB}$
Power source : $220 \sim 230\text{V AC}$, 50Hz , 1 Phase

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