

Product Name :
Digital Function Generator

Product Code :
NLAB-TESTINGLABM24003



Description :

Digital Function Generator

Technical Specification :

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 : $50\Omega \pm 10\%$

Output amplitude : $\approx 20\text{Vpp}$ (no load)

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

DC offset : $0 \sim \pm 10\text{V}$ (adjustable)

Symmetry : 10% ~ 90%

Sine Wave :

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

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

Rise or fall time of Square wave : $< 100\text{ns}$

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 : 1Hz ~ 15MHz

Input Impedance : $\approx 1\text{M}\Omega / 20\text{pF}$

Sensitivity : 100mVrms

Accuracy : 0.1Hz / 1Hz / 10Hz / 100Hz

Error : $\approx 0.003\% \pm 1$ digit

Max. input voltage : 150V (AC+DC) with attenuator

Input attenuation : 0dB / 20dB

Power source : 220 ~ 230V AC, 50Hz, 1 Phase

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