

**Product Name :**  
Digital Function Generator

**Product Code :**  
SNG-0003



**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 :  $\approx$ 20Vpp (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 $\mu$ s

Low & high level :  $\approx$ 0.4V &  $\approx$ 3.5V

Impedance : 600 $\Omega$

VCF :

Input voltage : -5V ~ 0V

Input Impedance : 10K $\Omega$   $\pm$ 10%

Counter :

Display : 5 digits

Frequency range : 1Hz ~ 15MHz

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

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

## Naugralabequipments

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