

POWER SUPPLY

Specification		
Constant Voltage – Constant current		
Output voltage	0~30V	
Output current	0~3A	
Line Regulation	CV $1 \times 10^{-4} + 3\text{mV}$	CC $2 \times 10^{-3} + 3\text{mA}$
Load Regulation	CV $1 \times 10^{-4} + 4\text{mV}$	CC $2 \times 10^{-3} + 5\text{mA}$
Ripple and noise	CV 1mV rms	CC 3mA rms
Display accuracy	Voltmeter $\pm 0.2\%$ Rdg +2digit	
	Ammeter $\pm 1.0\%$ Rdg +2digit	
Input Voltage	110~127 220~240V $\pm 10\%$ Switchable	
Dimensions	135 x 170 x 290mm	



FUNCTION GENERATOR 1638N



Features

Multiwaveform: Sine, Triangle, Square, Ramp, Pulse etc.

Separate TTL, 50Hz Sine and single output

Specification

Main Output	Output frequency	0.2Hz~or 3MHz
	Output waveforms	Sine, Square, Triangle, Ramp, Pulse, etc.
	Output impedance	50 $\Omega \pm 10\%$
	Output amplitude	$\geq 20\text{Vp-p}$ (1M Ω Load $\geq 10\text{Vp.p}$ (50 Ω Load)
	Output attenuation	0dB/20dB/40dB/60dB
	DC Offset	0~ $\pm 10\text{V}$ (1M Ω Load); 0~ $\pm 5\text{V}$ (50 Ω Load)
	Symmetry	10~90%
Sine Wave	Distortion factor	20Hz~20kHz $\leq 1\%$
	Frequency Response	2Hz~2MHz $\leq 1\text{dB}$
Square Wave	Rise or Fall Time	$\leq 30\text{ns}$
TTL Output	Rise or Fall Time	$\leq 50\text{ns}$
	Low level	$\leq 0.4\text{V}$
	High level	$\leq 3.5\text{V}$
	Impedance	100 Ω
VCF	Input voltage	-5~0V
	Input impedance	10k $\Omega \pm 10\%$
50Hz output	2vp-p mains synchrony	
Counter	Display	6 digit
	Frequency Range	0.5~15MHz
	Sensitivity	200mVrms
	Resolution	0.1Hz/1Hz
	Accuracy	Better than 0.1% ± 1 digit
	Max input voltage	50Vp-p
Input voltage	110~127 220~240V $\pm 10\%$	
Dimensions	250 x 105 x 280mm	
Weight	2.5kg	