



Scientech 4063A is a high performance 5MHz Function -Pulse Generator with a Frequency Counter. The Scientech 4063A provides different types of modulated signals like - AM Standard - AM Balance - Frequency Modulation, PWM and uses a separate operations for Function, Frequency, Modulation, (Speed & width variable) and Frequency Counter . The new Scientech 4063A is an ideal choice for modern Electronic Laboratories.

Features

- 0.5 Hz - 5 MHz Frequency 7 steps
- Sine, Square, Triangle, Ramp, Pulse and TTL outputs
- 20 Vpp Output and DC Offset
- 40 MHz Frequency Counter
- Rise time & Fall time ≤ 50 ns
- 20 \times 4 character LCD Display
- TTL output
- 50 Ω Output Impedance
- Various types of modulations
- 20 dB or 40 dB (fixed) & 20 dB variable attenuation
- Sweep Function with speed and width control

Technical Specifications

Operating Modes (Function)	:	Sine, Square, Triangle, Ramp, Pulse and TTL
Frequency Range	:	0.5 Hz - 5 MHz (Sine) 0.5 Hz - 3 MHz (Square & Triangle) 0.5 Hz - 2 MHz (Ramp, Pulse and TTL)
Frequency Accuracy	:	±0.5 %
Sine wave Distortion	:	1.0 % typical
Square wave / Pulse Rise & Fall time	:	≤ 50 ns
Pulse Duty Cycle	:	15 % - 85 % var. (min. width 200 ns)
Triangle Non-Linearity	:	≤ 1 % (typical)
Display	:	LCD controlled by individual Keys
Output Impedance	:	50 Ω
Output Voltage	:	20 Vpp Open Circuit
Attenuation	:	20 or 40 dB (Fixed) and 20 dB (Variable in between)
Level Flatness	:	± 0.2 dB up to 500 KHz, and ± 0.5 dB upto 5 MHz
DC Offset	:	± 5 V (approx.) adjustable
Internal Sweep	:	Sweep width : approx 1:100 Sweep speed : 20 ms - 4s
Modulation	:	AM Balance, AM Standard, FM & PWM Modulation
Modulation Input	:	2 Vpp max.

Frequency Counter

Frequency Range	:	DC to 40 MHz
Resolution	:	1 Hz
Sensitivity	:	0.5 Volts
Frequency Accuracy	:	± 0.5 %
Display	:	LCD controlled by individual Keys
Input Impedance	:	1 MΩ
Max. Input Voltage	:	200 V (DC+AC Peak)

General

Mains Supply	:	230 V ± 10 %, 50 Hz . 60 Hz on request
Power Consumption	:	12 VA (approx.)
Operating Temperature	:	0-40°C, 85% RH
Dimensions (mm)	:	W 198 × D 285 × H 90
Weight	:	3 Kg (approx.)

Included Accessories

BNC to BNC cable	:	1 No.
Power cord	:	1 No.