



Sciencetech 4062D 10 MHz Function - Pulse Generator, with Color LCD display, fulfil today's demand of electronics laboratories in universities, colleges and training centres.

They have all ! whether you need Sine, Square, Pulse, Ramp in addition to 40 arbitrary waveform. Sciencetech 4062D also provides internal output. It has separate operations for function, frequency, modulation, pulse duty cycle.

Attractive design makes this new series an ideal choice for modern laboratories.

Features

- DDS technology
- Single-channel output
- Frequency resolution 1 μ Hz
- Display 4" colour LCD
- Vertical resolution 14 bits
- 5 types of standard output waveforms, and built-in 40 Arbitrary waveforms

Technical Specifications

Sine	:	10Hz -10MHz
Square	:	10Hz -5MHz
Pulse	:	10Hz -1MHz
Ramp	:	10Hz -1MHz
White Noise	:	5 MHz bandwidth (-3 dB) (typical)
Frequency Accuracy	:	Upto 3Hz \pm (1% +30), 3MHz \pm (0.1%)
Frequency Stability	:	<0.1% per hour or 0.2% per 24 hour at constant ambient temperature
Output channels	:	1 no.
Frequency resolution	:	1 μ Hz
Vertical resolution	:	14bit
Standard waveforms	:	Sine, square, ramp, pulse, and noise
Arbitrary waveforms	:	Sinc, staircase , staircase U, staircase D, etc.

Output Characteristics

Amplitude	:	1 mVPP -12.5 VPP (50Ω)
Accuracy	:	1mVpp
DC Offset	:	± 6.25 V (50Ω) (AC+DC)
DC Offset Accuracy	:	2mV
Output Impedance	:	50Ω/600Ω selectable

Waveform Characteristics

Sine Wave

Harmonic Distortion	:	<-40dBc at 1Vpp amplitude
Total Harmonic Distortion	:	10Hz to 20KHz < 0.2% at 1Vpp amplitude
Amplitude flatness	:	0.3Hz -0.3MHz : Max. ±0.2dB 0.3MHz -3MHz : Max. ±0.5dB 3MHz -10MHz : Max. ±3dB

Square

Rise/Fall Time	:	<25ns (typical, 1KHz, 1Vp-p)
Overshoot	:	<5%

Pulse

Pulse width	:	100ns to 1000ks 10% to 90%
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Accuracy	:	15ns
Overshoot	:	<5%
Rise/Fall time	:	<25ns

Ramp

Linearity	:	<0.1% of peak output(typical,1kHz,1Vpp,50% symmetry)
Symmetry	:	0% to 100%

General Specifications

Display

Type	:	4" colour LCD
Resolution in pixels	:	480 (horizontal) x 320 (vertical)
Colour	:	65536 colours, 16 bits, TFT screen
Power voltage	:	220-240V AC 50Hz
Power consumption	:	20W approximately
Temperature	:	0 to 40°C, RH90%
Dimension (W x H x D)	:	235 mm x 110mm x 295 mm
Weight	:	3Kg. approximately