

INTRODUCTION

This is an accurate testing instrument. It can output the function wave-form such as sine wave, square wave, rectangle wave, sawtooth wave and triangle wave. And the frequency and amplitude can be adjusted continuously. It is ideal equipment for engineer, electric lab and teaching.

FEATURES

- It's convenient to operate and use with high intelligence for using the single microprocessor to control, running and displaying.
- Large scale single integrated accuracy function generator leads to super performance.
- Designed by large scale integrated circuit to insure the high reliability and high stability.

TECHNICAL SPECIFICATIONS

Output frequency

Frequency range: 0.2Hz~2MHz ; seven ranges

- 0.2Hz-2Hz
- 2Hz-20Hz
- 20Hz-200Hz
- 200Hz-2kHz
- 2kHz-20kHz
- 20kHz-200kHz
- 200kHz-2MHz
- Output signal impedance: 50Ω
- Output signal wave-form: sine wave, square wave, rectangle wave, sawtooth wave and triangle wave
- Output signal amplitude (peak-peak value): non-attenuate (2Vp-p~20Vp-p) $\pm 20\%$ continuously adjustable, attenuate 20dB (0.2Vp-p~2.0Vp-p) $\pm 20\%$ continuously adjustable, attenuate 40dB (20mVp-p~200mVp-p) $\pm 20\%$ continuously adjustable
The above are measured with load $1M\Omega$, the output signal amplitude will be half of standard at 50Ω load.
- Function output symmetry adjust scope: 20%~80% ($\pm 10\%$)
- Output signal features:
 - sine wave distortion: $< 2\%$
 - triangle wave linear: $> 99\%$ (10%-90% of output amplitude)
 - square wave rise edge times: less than 100nS (10%-90% of output amplitude)
 - square wave fall edge times: less than 100nS (10%-90% of output amplitude)
 - square wave rise and fall pulse less than or equal to $5\%V_o$ (50Ω load).
 - Test condition: frequency output: 10KHz, amplitude: 5Vp-, warm-up for 20minutes.



- Output signal frequency stability: less than $\pm 0.1\%/min$ (test condition is the same as the above)
- Amplitude display (only for 50Ω load, at $1M\Omega$ load, the real output amplitude is double of the displaying value):
 - Display digits: 2/3 digits (decimal point automatic select place).
 - Display units: Vp-p or mVp-p.
 - Display errors: $V_o \pm 10\% \pm 1d$ (V_o refers to the true value of output signal)
 - Resolution: Non-attenuate: 0.2Vp-p
20dB Attenuate: 20mVp-p
40dB Attenuate: 2mVp-p
- Frequency display:
 - display range: 0.2Hz-2MHz
 - display effective digit: four or five digits.
- Measurement errors: $\leq 0.5\%$
- Time base frequency: 12MHz frequency stability: $\pm 5 \times 10^{-5}$
- Working temperature: $0^\circ C \sim 40^\circ C$
- Size: 270mm x 215mm x 100mm
- Weight: approx. 1.6kg.

*Technical Specifications & Appearance are subject to change without prior notice