



Function Generator

Model: LS3002



LS3002

Description:

Model LS3002 function generator is a versatile signal source combining several functions into one unit including a built-in frequency counter. The heart of the function generator is a voltage-controlled generator that produces precision sine, square, or triangle waves over the 0.5Hz to 2MHz range.

Features:

- Fully featured, easy to use function generator.
- Sine, square, triangle, pulse and ramp output.
- 4 digit LED display.
- DC offset control and duty cycle control.
- Separate outputs for TTL and CMOS signals, CMOS signal with adjustable range to fit the circuit.
- Built-in 4 digit counter.

Specifications:

- o Frequency characters
 - Range: 0.2Hz to 2MHz, 6 ranges.
 - Waveforms: Sine, square, triangle, pulse, ramp
- o Output characters
 - Level: 20V p-p open circuit, 10V p-p into 50 ohm.
 - Impedance: 50 ohm +/-10%.
 - DC offset: Variable: +/-10V open circuit, +/-5V into 50 ohm.
- o Sinewave
 - Distortion: $\leq 2\%$ at 1KHz.
 - Flatness: $\leq 1\text{dB}$.
- o Squarewave
 - Risetime: $\leq 50\text{ns}$.
 - Symmetry: $\leq \pm 3\%$, 2Hz to 100KHz.
- o Triangle: 98% at 1KHz.

Made in Taiwan