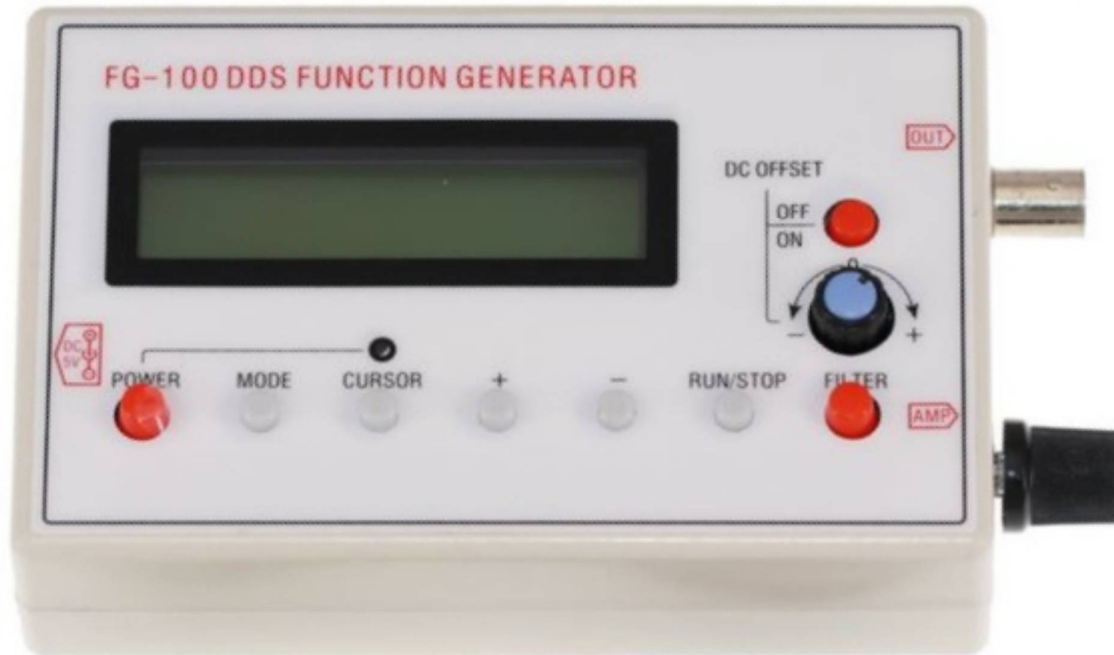


DDS DIGITAL FG-100 SIGNAL GENERATOR



Main Features:

Compact size, complete functions, simple operation, easy to carry. It can be powered by USB adapter or a lithium battery pack. Together with an oscilloscope, can be used for electronic circuit test and debugging, audio amplifier frequency characteristics and impulse response test and measurement. Because of the good accuracy and frequency stability of DDS, it is also very suitable for oscilloscope scan time factor calibration. Square wave output is suitable for oscilloscope attenuator and probe pulse characteristics adjustment.

Main technical indicators:

1. Frequency range: 1HZ-500khz for sine wave (higher frequencies will flatten output on the amplitude, from 200kHz and higher, the output amplitude will decrease with the further increase of frequency). 1HZ-20khz for other waveforms (but the upper limit of adjustable frequency is not limited, and the frequency can be further increased if distortion and sloshing are not required).
2. Resolution: 1Hz.
3. Output waveform: Sine wave, square wave, triangle wave, forward sawtooth wave, reverse sawtooth wave.
4. Sine wave distortion: Below 1 KHZ < 1%, above 1 KHZ < 0.5%.
5. Output range: maximum $\pm 10V(p-p)$.
6. Output impedance: 50Ω .
7. DC offset: maximum $\pm 10V$, with off function.
8. The filter can be turned on and off, which can well adapt to sine and pulse waveform output.
8. Power supply: DC3.5-10V. DC5V adapter is recommended and 3.7V lithium battery is recommended for battery powered applications.
9. Overall dimension: 125x80x32.
10. Weight (including accessories): $\pm 0.2kg$