

Main Features:

- Adopt the Direct Digital Synthesizer (DDS) technology and provide stable, precise, pure and low distortion signals.
- 2.4 inch TFT Color LCD with 320×240 resolution, displaying parameters and graphics of the two channels at the same time.
- The instrument uses 14-bit high-speed D/A converter chip (5Vpp output quantization error is less than 1mV), 250MSa/s sample rate, 14bits vertical resolution.

Can output up to 97 groups of functions / arbitrary waveform, contains 33 groups of preset waveforms and 64 groups of user-defined waveforms. Preset waveforms: Sine, Square (Duty Cycle adjustable), Pulse (Pulse width and cycle time can be set accurately), Triangle/Ramp, CMOS(0~12V), Four channels TTL, Exponential Rise, Exponential Fall, Noise, ECG, DC etc.
- Enable to store 64 arbitrary waveform data files, each one of waveform storage depth 8192 points * 14bits;
- Various modulation types: AM, FM, PM, ASK, FSK and PSK modulations.
- Sweep Function: It can sweep 4 properties of signals including frequency, amplitude, offset and duty cycle; It has Linear and Logarithm two sweep types; 0.01S~999.99S sweep time; Up, Down and roundtrip sweep directions.
- VCO Function (Voltage Control Output): Can be achieved by an external input signal: voltage controlling frequency, voltage controlling amplitude, voltage controlling offset, voltage controlling duty cycle and PWM modulations.
- Burst Output Function: There has Manual Trigger, internal CH2 Trigger, and External Trigger for your options. It can output 1~1048575 pulse trains.
- 100M Frequency meter function: It can measure frequency, period, pulse width and duty cycle. Max. frequency workable is 100MHz and Min. frequency workable is 0.01 Hz.
- Counter Function: It has 2 coupling measure modes including DC coupling and AC coupling. This design can solve inaccuracy problem of AC coupling.
- Standard dual full functional channels which are equivalent to two independent generators.
- Channel SYNC Function: Support waveform copy and state copy between channels.
- Support two or more signal generators connected to achieve multi-channel output, the maximum support 16-channel synchronous output, the phase between each channel can be adjusted.

- Precisely adjust the phases of the two channels, Precision can be 0.01 .
- Minimum amplitude resolution can be up to 1 mV. Amplitude range is 0~20Vpp.
- Duty-cycle of each channel can be adjusted independently 0.01%-99.99%, the adjusting resolution is 0.01%.
- -12V~+12V DC Offset function. Resolution 0.001V.
- Save function: It can save 20 sets user-set parameters and can be loaded at any time.
- Communicating function: All functions can be controlled by PC program and the communication protocol is open for secondary development.
- Output short-circuit protection: All channels can work more than 60 seconds when the load is short-circuited.
- Provide powerful waveform editing PC software. Users can download arbitrary waveform to this instrument after edit through PC program which is included in user CD.
- Adopt ABS plastic shell with table type design. Use 100-240V (AC) wide range voltage power supply.