MEGATEK FUNCTION GENERATOR

DFG-2260P

FEATURES

- 2x output channel, 1x counter.
- 60 MHz Arbitrary Sweep Function Generator
- Amplitude range 0-20Vpp
- 33 built-in Waveforms and 8 sets of user defined waveforms
- Modulation AM/FM/PM/ASK/FSK/PSK/ASK
- Frequency sweep, burst, Counter Function, TTL Output
- 2.4 inch TFT LCD Display
- Size: 18.7 * 18.2 * 7.3 cm
- Dual channel
- Package weight: 600 gr
- Net weight: 1kg

ACCESSORY

The Megatek DFG-2260P will supplied with following accessories:

- High quality Bnc to Bnc cable x1
- High quality Bnc to alligater clips test lead x1
- User manual CD x1

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 14 bits 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, four channels TTL, exponential rise, exponential fall, noise, ECG, DC etc.

Enable to store 64 arbtirary waveform data files, each one of waveform storage depth 8192 points * 14bits.
various modulation types: AM, FM, PM, ASK, FSK And PSK modulatoins.
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 pulse trains.

60M frequency meter function: it can measure frequency, period, pulse width and duty cycle
max frequency workable is 60MHz 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.
duty-cycle of each channel can be adjusted independently 0.01%-99.99% the adjusting resolution is 0.01%.
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 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.

Megatek