

THIẾT BỊ PHÁT TÍN HIỆU DẠNG SÓNG (Lên đến 30MHz)

SG-4300 Series

Various types of output waveforms



Phát được nhiều dạng sóng khác nhau

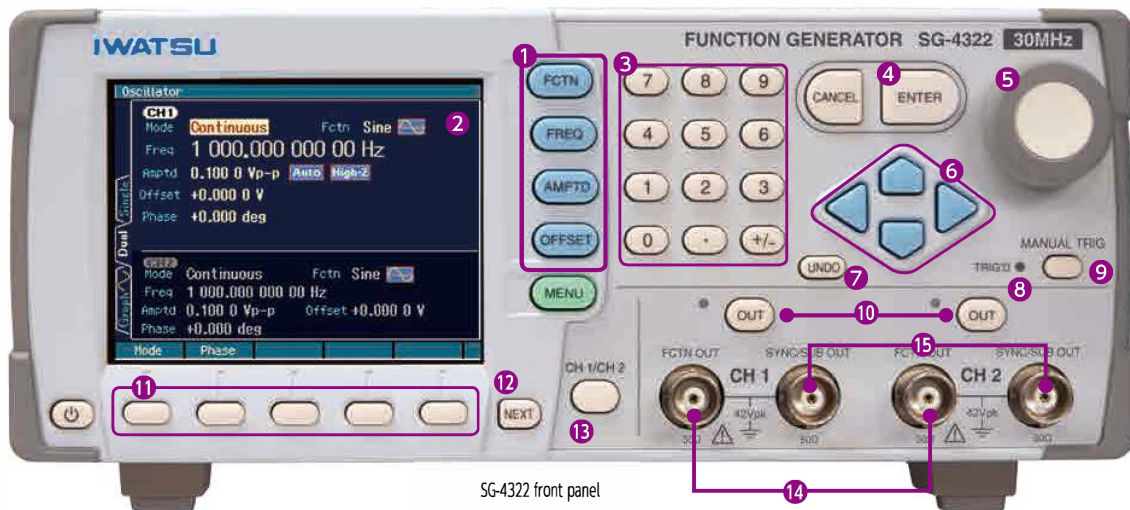
•Sine •Square •Pulse •Ramp •Parameter-variable •Arbitrary

Standard waveforms, Large capacity arbitrary, Standard parameter variable waveforms(25 waveforms)

Trang bị nhiều tính năng và chuyển đổi linh hoạt

•Sweep •Modulation •Burst •Trigger •Gate •Sequence •Synchronous operation •Variable duty •Variable rise •Variable fall

Equipped with program operation, parameter-variable waveforms etc.,



SG-4322 front panel

- 1 Basic Parameters / Shortcut keys
- 2 3.5# QVGA TFT Color LCD display
- 3 Ten-key for direct input
- 4 Enter key : Execute each setting
- 5 Function knob for selecting items and values
- 6 Arrow keys
- 7 UNDO key for undo
- 8 Triggered indication light
- 9 Manual Triggering key
- 10 OUT : Output on/off key
- 11 Soft keys for setting selectable functions
- 12 NEXT key for selecting from multiple setting pages
- 13 CH1/CH2 key for switching CH1 or CH2

- 14 CH1 and CH2 signal outputs
Isolated by each channel
 - Independent setting by each channel
 - Phase shift control between 2 channels
 - Synchronized output in different phase
 - Frequency variable between 2 channels
 - Different frequency output between 2 channels
 - Differential output

- 15 CH1 and CH2 synchronized signal outputs
Reference phase synchronization
 - Synchronized signal with internal frequency modification
 - Burst synchronization signal
 - Sweep synchronization signal
 - Sequence step synchronization signal
 - Synchronized signal with internal modification signal
 - Sweep X driving signal for X axes of oscilloscope/recorder

- 16 CH1 Trigger input BNC
- 17 CH2 Trigger input BNC
- 18 CH1 Output modification/Adder input BNC
- 19 CH2 Output modification/Adder input BNC
- 20 Outer 10MHz reference frequency signal input BNC
- 21 Frequency reference signal output BNC
- 22 Multiple I/O connector for sweep, sequence control and synchronization code output



SG-4322 rear panel

- 23 GPIB interface connector
- 24 USB interface connector
- 25 Fan motor
- 26 AC inlet(AC90V to AC250V)

Function Generator

SG-4100 Series



10mHz - 15MHz 1ch
SG-4105



10mHz - 5MHz 1ch
SG-4104

- Wide oscillation bandwidth from 10mHz to 15MHz (SG-4105)
- High accuracy (50ppm: SG-4105, SG-4104) and high stability waveform output by employing DDS (Direct Digital Synthesizer) system
- Max 20Vp-p (Output terminal open)
- 0.0% to 100.0% duty control/ Up to 65,536 Burst waveforms
- Offset control +10V to -10V (output terminal open)
- Waveform outputs are connected continuously when vary the frequency
- Linear / Log sweep function
- Simultaneous display of the frequency and output voltage
- Easy operation (set performance can be checked at a glance)
- PMC option (SG-506: SG-4105) best suited for evaluating pulse motor control
- Provides Small-amplitude on Large-offset

PMC function*(Factory option)

Pulse motor control function SG-506 (SG-4105)

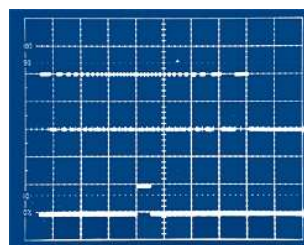
Pulse motor control function

PMC option function controls pulse motor. Pulse motor acceleration or braking controls need to be reviewed not only by position control, but also under loaded condition. The PMC option simplifies the evaluation. Pulse outputs in open collector (50V) are output from rear panel with PMC option.

Common motor driver circuit connected with PMC.

*PMC (Pulse Motor Control) is coined word by IWATSU TEST INSTRUMENT CORPORATION.

(Order any factory options when ordering the main unit. Additional orders after the delivery of the main unit require a separate fee.)



Upper waveform shows drive pulse for pulse motor, lower waveform shows sensor input waveform. After reaching maximum frequency while specified accelerating period, starts braking by sensor input signal. Then stops at specified pulse counts.

Boost Amp

SG-300

A useful drive amp that boosts signal generator output at 1MHz full power band.

The SG-300 is an amplifier for converting function generator output.

This amplifier can be used for a wide range of purposes, including the development of inverters and other mechatronic equipment.

The amplifier has a low impedance (Lo Ω) output, which enables it to be used with low power loss even driving low impedance loads.

It also supports amplitude modulation only at the positive side or only at the negative side, which enables zero level adjustment.



SG-300 Specifications

Maximum Voltage	24Vp-p (with 50 Ω load) / 48Vp-p (without load)
Maximum Current	DC or Peak 240mA (with 50 Ω load) / Continuous DC or Peak 300mA (with Lo Ω output)
Full Power Band width	1MHz (with a 50 Ω load and 24Vp-p output)

RS-USB Converter

SC-525

For use with the SG-4105

- The cable for connecting the RS-232 measurement unit to a personal computer's USB port.
- Overall length approximately 85cm.

* Can also be used with the VOAC7602, VOAC7502, VOAC7500H series, SC-7200H series.

