

# TEXIO

Test and Measurement Solutions

Product Information

Function Generator

**FG-281**

**0.01Hz to 15MHz**



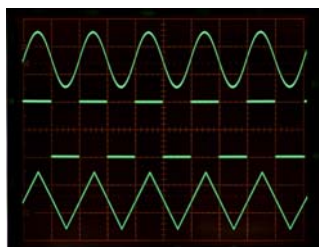
- Generates Sine, Triangle, Square, Pulse, Ramp wave and DC.
- Wide band output from 0.01Hz to 15MHz (Sine, Square wave).
- 50ppm High Frequency Accuracy with Direct Digital Synthesizer.
- Amplitude and Frequency display with Vacuum Fluorescent Display.
- Ten-key setting for amplitude and frequency, and continuously switch waveforms.
- 0.1% step and 0 to 100% Duty control (Pulse and Ramp wave).
- +10V to -10V Offset control (Open circuit).
- Linear and Log sweep function, and Burst function.
- Full remote control with **GP-IB** and **RS-232C** as standard.
- 9 points Presetting function
- Pulse Motor Control function by factory option at shipment.

## PRODUCT INFORMATION

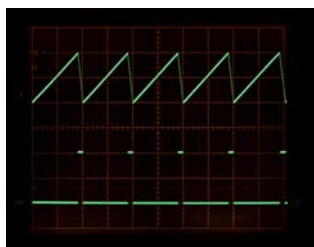
# FG-281 Function Generator

## Features & Specifications

### Output Waveforms



Sine Wave  
Square Wave  
Triangle Wave



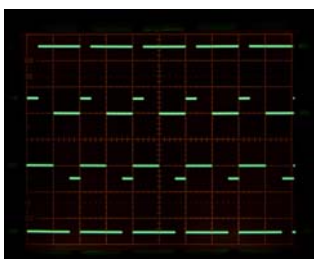
Ramp Wave  
Pulse Wave

Generates Sine, Triangle, Square, Pulse, Ramp wave and DC. Maximum 20Vp-p output and +10V to -10V offset control (Open circuit)

### Duty control function

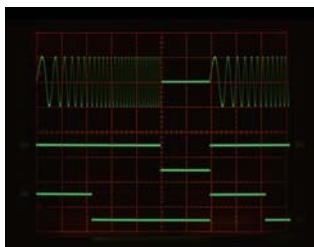
The duty of square, pulse and ramp wave can be changed without change frequency.

Square wave: 20 to 80%  
Pulse and ramp wave:  
0 to 100%



### Sweep function

All waves can be swept with linear or log by all output frequency (at up sweep). Down sweep is available. Generates sweep trigger signal and sweep marker signal in rear panel.



Sweep wave  
Sweep trigger signal  
Sweep marker signal

### TRIG/GATE function

TRIG and GATE operation are available by all output frequency.



GATE operation  
TRIG operation  
TRIG/GATE input signal

### Burst function

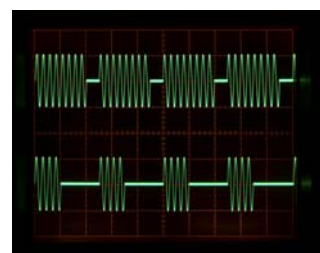
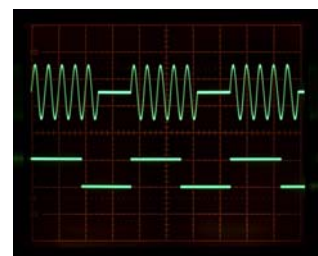
Burst wave is available in all output waves.

The number of wave is 1 to 65536.

The number of output wave (ON count) and the number of no-output wave (OFF count) can be set in TRIG mode and COUNT mode.

Upside photo: TRIG mode  
Burst 5 signal  
TRIG signal

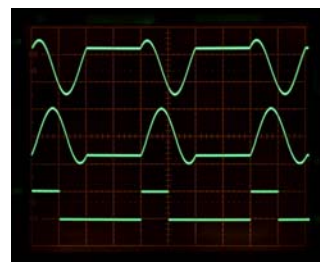
Lower photo: CONT mode  
On 8 and off 2 signal  
On 4 and off 6 signal



### First phase setting function

The first phase can be set +359.9 degrees to -359.9 degrees.

Right photo:  
+45 degrees  
-45 degrees  
TRIG input signal



Signal	Sine, Square, Triangle, Pulse, Ramp, DC	
Frequency	Sine, Square	0.01Hz to 15MHz
	Triangle, Pulse, Ramp	0.01Hz to 100kHz
	Accuracy	50ppm
	Resolution	0.01Hz or 5 digits
Output	Number of CH	1 CH
	Amplitude	20Vp-p(open) 10Vp-p(50 ohm load)
	Resolution	3 digits, min.1mV
	Impedance	50 ohm
	Offset	+10V to -10V(open)
Operation mode	CONT, TRIG, GATE	
DUTY	Square	20.0% to 80.0% (5MHz or less) 40.0% to 60.0% (5MHz to 15MHz)
	Pulse, Ramp	0.0% to 100.0%
SWEEP	Linear, Log	
BURST	1 to 65536	
Interface	RS-232C, GP-IB	
Dimensions	Approx. 210(W) x 99(H) x 353(D) mm	
Weight	Approx. 4kg	
Accessories	Instruction manual 1, Power code 1	

\*Specifications subject to change without notice.

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