

# Sweep Function Generator Protek G305

**Protek**  
Precision Instrument Solutions

## Features

- Sine, Triangle, Square, Ramp, Pulse Waveform
- Gate & Trigger Output
- Burst Waveform Output
- Sweep Function (Linear/Logarithmic)
- VCF Input
- GCV Function
- AM Modulation
- Variable Symmetry
- Output Attenuator
- DC Offset
- Frequency Counter



## Specifications

<b>Output</b>	
Frequency Range	0.01Hz to 10MHz (9 Ranges)
Accuracy	Counter Accuracy
Amplitude	10Vp-p in 50Ω Load
Attenuation	0 / 20 / 40 / 60dB Fixed, Variable
Impedance	50Ω ±10%
<b>Sine Wave</b>	
Flatness	±0.2dB (0.01Hz ~ 100KHz), ±2dB (100KHz ~ 10MHz)
Distortion	5% (10Hz ~ 50KHz)
<b>Square Wave</b>	
Rise / Fall Time	25ns or Less
<b>Triangle Wave</b>	
Linearity	99% or More ~ 100KHz
Symmetry Variation	20:80 ~ 80:20
VCF Input	0V ~ 5V DC
<b>Sweep Function</b>	
Mode	Linear and Logarithmic
Width	100:1 Continuity Variable
Time	1ms ~ 10s
<b>Frequency Counter</b>	
Range	1Hz ~ 10MHz
Accuracy	0.01 / 0.1 / 1 / 10s
Max. Input Voltage	± 1 Count / ± Time Base Error
AM Modulation	0 ~ 100%, 5V Max. Input
<b>Time Base Error</b>	
Frequency	10MHz
Aging rate	± 3 × 10 <sup>-5</sup> / Month
Temperature	± 1 × 10 <sup>-5</sup> (0°C ~ 40°C)
Burst	1ms to 10s Gate Time
Trigger Mode	One Cycle Oscillation Triggered by Input Signal
Gate Mode	Oscillation only When Input is High
<b>General</b>	
Power	100/120/220/230VAC ±10%, 50 ~ 60Hz
Dimension	300(W) × 300(D) × 98(H)mm
Weight	Approx. 4Kg

Sweep  
Function  
Generator