



2 Channels

1nHz-60MHz of Sine wave frequency

275MSa/s of Sampling Rate

8192 points/channel of Wavelength

14 bits of Waveform vertical resolution

**TEKLAB Signal/function arbitrary waveform generator** adopts a 2.8-inch color screen and comfortable silicone keys. It can output sine wave, square wave, triangular wave, pulse wave, DC and arbitrary waveform. It has functions of Waveform Modulation, Burst, PWM, Scanning Frequency, Scanning Amplitude, Scanning Duty, VCO Voltage controlled scanning, etc. It is equipped with a frequency meter and counter. Suitable for DIY, scientific research, teaching Product development, debugging and other scenarios.

**TEKLAB Function or Signal Generator** supports different types of waves like Sine wave, square wave, pulse wave (duty ratio, pulse width and cycle time can be precisely set), triangle wave, rising ramp, falling ramp, CMOS wave, DC level, half wave, full wave, positive step wave, Inverse staircase wave, exponential rise, exponential fall, Lorentz pulse wave, multi sonic wave, random noise wave, trapezoidal pulse wave, Sinker pulse wave, and 99 sets of user-defined waveforms.

**TEKLAB** designed our **Function/Signal Generator** as it will give you more control over the frequency, amplitude, and phase of the signals they produce. Because of their precision and flexibility, digital function generators are well-suited for more advanced tasks, like research, development, and detailed electronic testing. Moreover, its gentle and stylish look gives your lab the perfect look you deserve.

## TECHNICAL SPECIFICATIONS

<b>Square wave</b>	1nHz-15MHz
<b>Triangle wave</b>	1nHz-15MHz
<b>Frequency resolution</b>	1nHz
<b>Rise/Fall Time</b>	20nS
<b>Amplitude range</b>	≤1MHz,2mVpp~25Vpp ≤11MHz,2mVpp~10Vpp ≤60MHz,2mVpp~5Vpp
<b>Amplitude resolution</b>	1mV pp
<b>Amplitude stability</b>	± 1% ±1 mV pp (@1kHz, >10mVpp)
<b>Amplitude flatness</b>	Frequency10 MHz: ±1%(0.1dB) ≤Frequency50 MHz: ±2%(0.2dB) ≤Frequency60 MHz: ±10%(0.9dB)
<b>Offset range</b>	-9.99V-12.00V
<b>Offset resolution</b>	0.01V
<b>Phase adjustment range</b>	0°-359.99°
<b>Resolution</b>	0.01°
<b>Output impedance</b>	50 (typical)
<b>Modulation type</b>	AM, FM, PM, ASK, FSK, PSK, PWM
<b>Trigger source</b>	Manual burst, CH2 burst, external burst (AC), external burst (DC)
<b>Measurement function</b>	Frequency

