

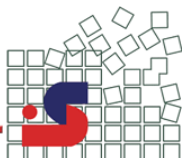
frequency output: 30MHz / 60MHz
Sample rate: 300MSa/s
Single channel output



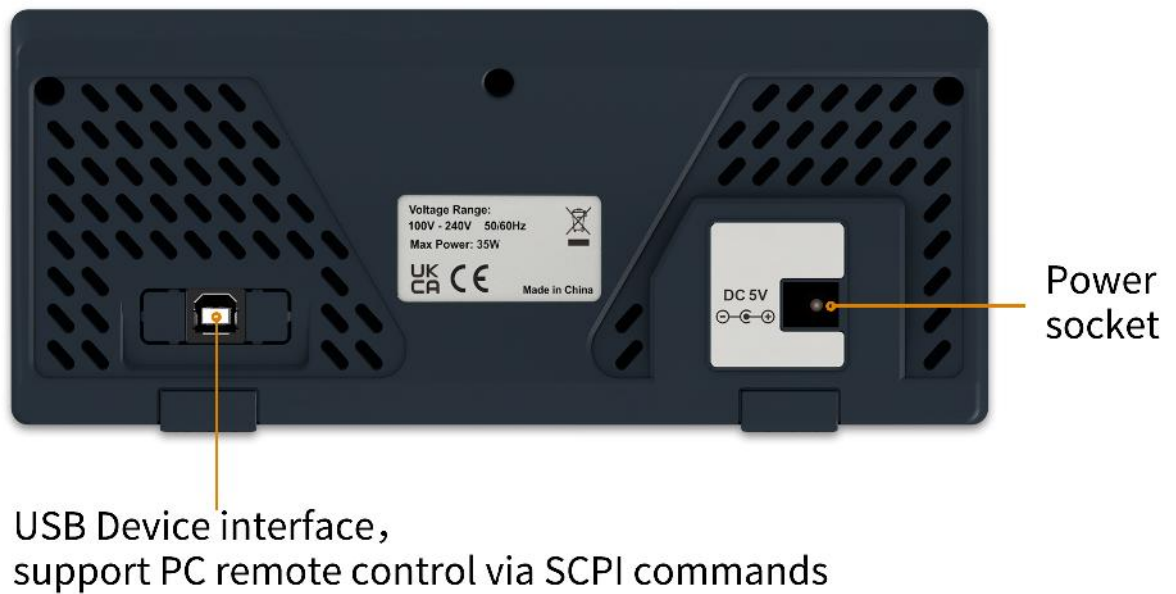
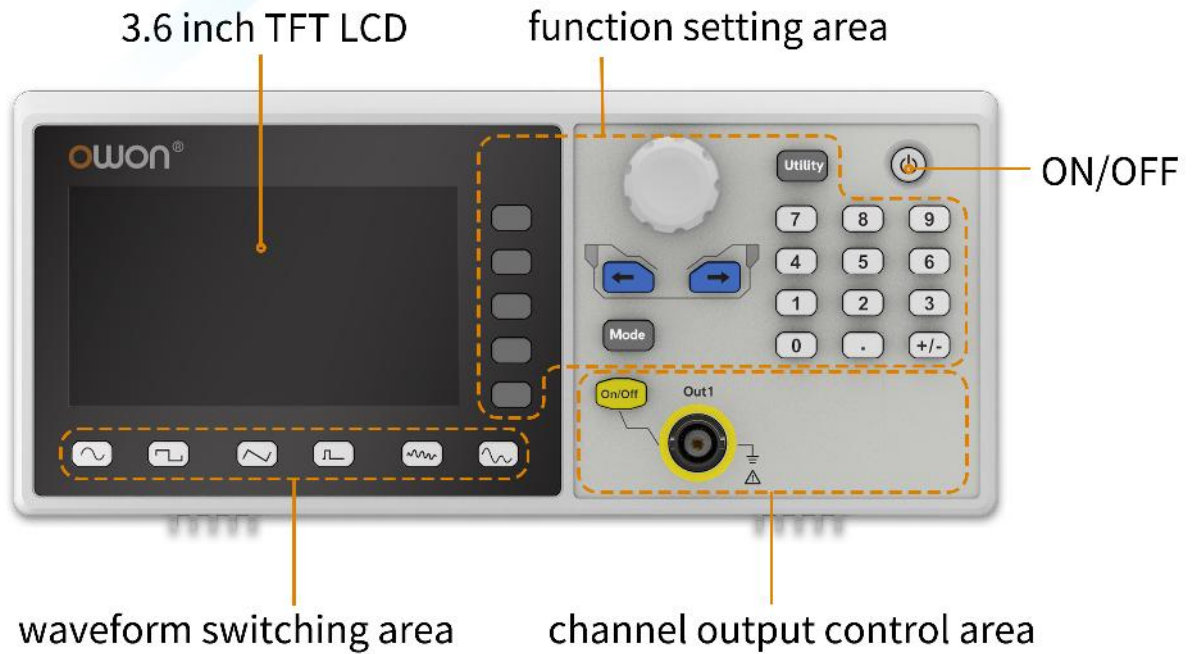
DGE1000

WAVEFORM GENERATOR

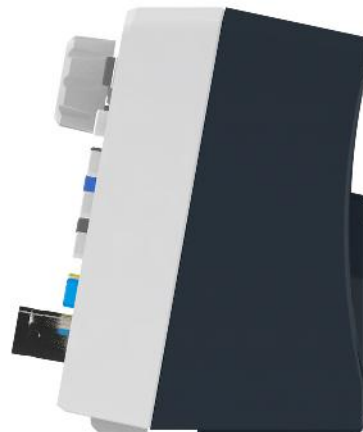
- Up to 60MHz frequency output, Max 300MSa/s sample rate
- Vertical Resolution :14 bits, max 8K Arb waveform length
- Comprehensive waveform output :
5 basic waveforms, and 160 built-in arbitrary waveforms
- Comprehensive modulation functions :
AM, FM, PM, FSK, Sweep, Burst, etc.
- SCPI, and LabVIEW supported
- 3.6 inch TFT LCD, all settings can be fully displayed
- Ultra-thin body, easy to operate



APPEARANCE DIMENSION



Dimension (W x H x D):
200mm x 68.5mm x 73.6mm

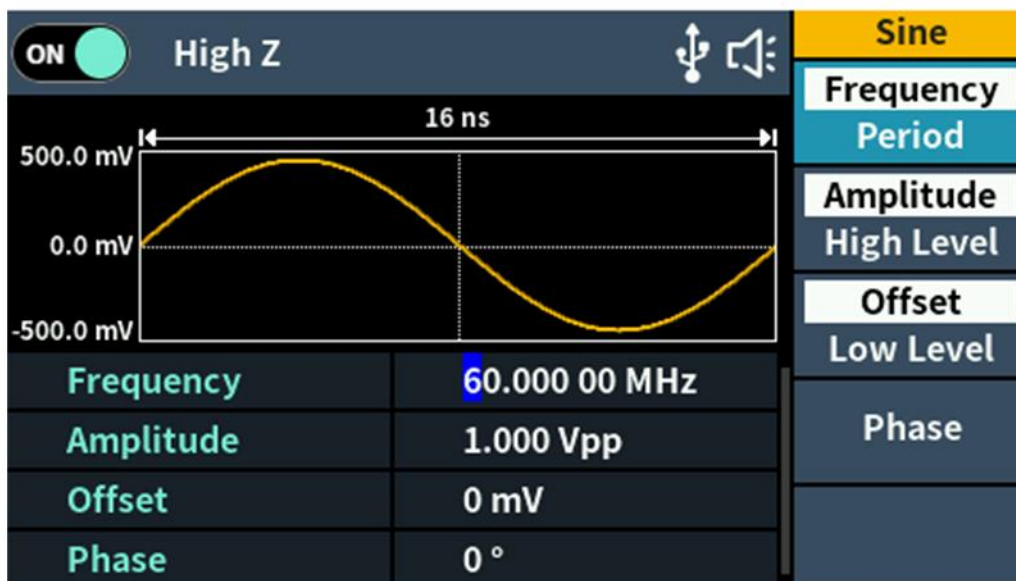


3.6 inch LCD Display

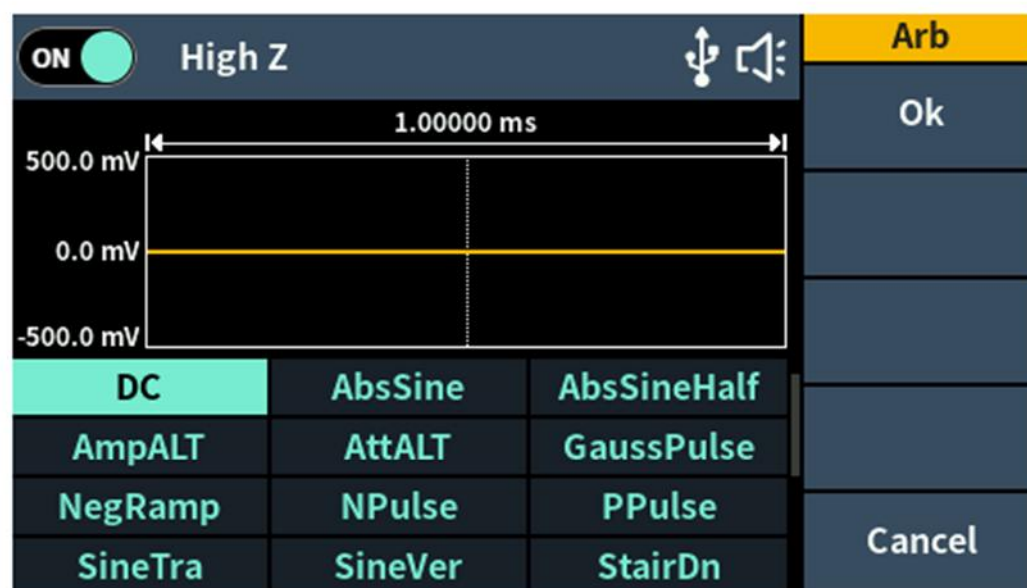


DGE1000 series adopt 3.6 inch TFT color LCD display, each channel output waveform status and menu settings can be fully displayed on the screen. With convenient shortcut key, it makes man-machine interaction more convenient and effectively improve working efficiency.

FUNCTION INTRODUCTION



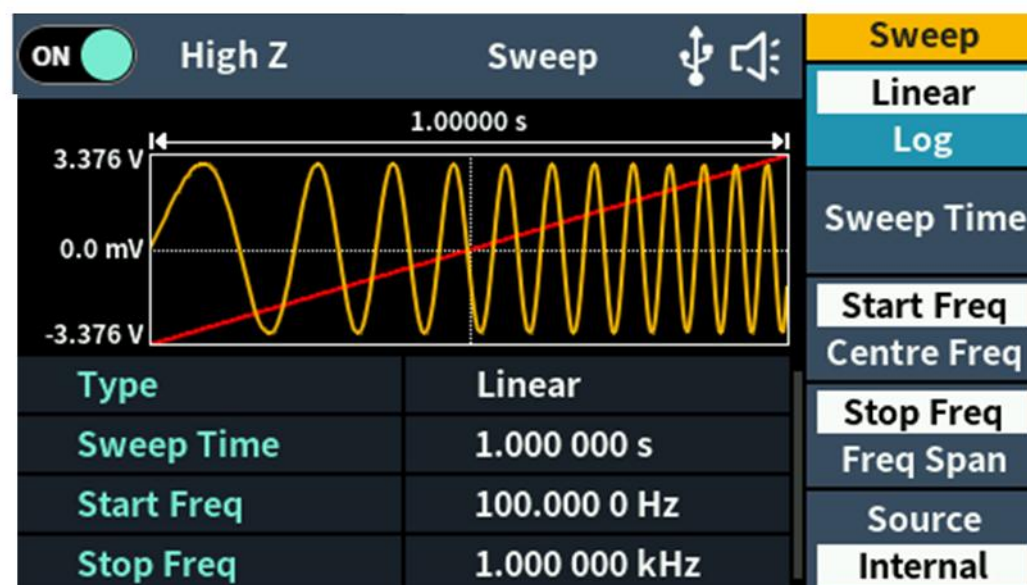
High frequency
stable output



With more than 160 kinds of built-in arbitrary waveforms.



Support AM, FM, PM, FSK modulation mode.



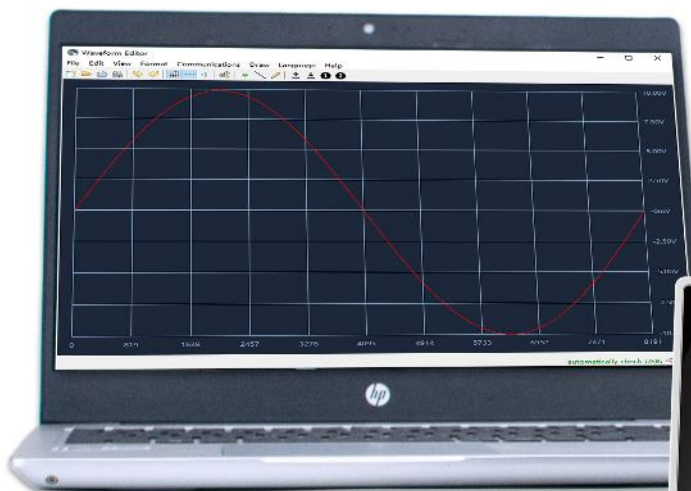
Sweep function



Burst function

/USER2			Files
Name		Size	Call Out
USER0		16.00kB	
USER1		16.00kB	
USER2		16.00kB	
USER3		0.00B	
USER4		0.00B	
USER5		0.00B	
USER6		0.00B	Back

16 non-volatile digital arbitrary waveform storage functions.



Support PC remote control

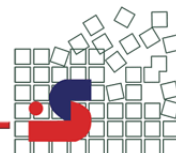


PRODUCT SPECIFICATIONS

شرکت صائن

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021 88936611



Model	DGE1030	DGE1060
Channel	1	
Frequency Output	30MHz	60MHz
Sample Rate	125MSa/s	300MSa/s
Vertical Resolution	14 bits	

Waveform

Standard Waveform	sine, square, pulse, ramp, and noise	
Arbitrary Waveform	exponential rise, exponential fall, sin(x)/x, step wave, and others, total 160 built-in waveforms, and user-defined arbitrary waveform	

Frequency

Sine	1μHz - 30MHz	1μHz - 60MHz
Square	1μHz - 15MHz	1μHz - 20MHz
Pulse	1μHz - 15MHz	1μHz - 20MHz
Ramp	1μHz - 1MHz	1μHz - 2MHz
Noise	20MHz (-3dB, typical)	
Arbitrary Waveform	1μHz - 10MHz	
Frequency Resolution	1 μHz or 7 significant figures	
Frequency Stability	±30 ppm at 0±40°C	
Frequency Aging Rate	±30 ppm per year	

Arbitrary

Waveform Length	2 - 8K points	
Sample Rate	125MSa/s	300MSa/s

Amplitude

into 50Ω Load	1mVpp - 10Vpp (≤10MHz) 1mVpp - 4Vpp (≤70MHz)	
DC Offset Range (AD+DC)	high resistance: ±(10 Vpk - Amplitude Vpp/2) (≤10MHz); ±4Vpk-Amplitude Vpp/2 50Ω: ±(5 Vpk-Amplitude Vpp/2) (≤10MHz); ±(2 Vpk-Amplitude Vpp/2)	
DC Offset Resolution	1mV or 4digits	
Load Impedance	50Ω (typical)	
DC Offset Accuracy	±(1 % of setting + 1 mV + amplitude Vpp * 0.5%)	

Modulation

Type	AM, FM, PM, FSK, Sweep, Burst	
Internal Modulation Frequency	2 MHz to 100 kHz	

Sweep

Carrier	sine, rectangular wave, ramp wave, arbitrary wave(Except DC)	
Minimum / Maximum Starting Frequency	2mHz (minimum) / maximum frequency of corresponding carrier	
Minimum / Maximum Termination Frequency	2mHz (minimum) / maximum frequency of corresponding carrier	
Trigger Source	Internal, Manual	

Burst

Waveform	sine wave, square wave, ramp wave, pulse wave and arbitrary wave (Except DC)
Types	N-Cycle
Trigger Source	Internal, Manual
Carrier Frequency	$1\mu\text{Hz} \leq \text{Offset} \leq$ Maximum frequency of corresponding carrier /2

Input / Output

Display	3.6-inch TFT LCD with resolution 480 x 272
Communication Interface	USB Device

Mechanical specifications

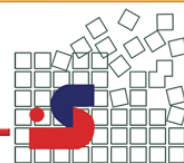
Dimension (W×H×D)	200mm x 68.5mm x 73.6mm
Weight (without package)	0.5kg

ACCESSORIES AND PACKAGING

شرکت صائن

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- 1 Host Machine
- 2 BNC to Alligator Clip
- 3 USB Cable
- 4 USB to DC Cord
- 5 Power Adapter
- 6 Quick Guide
- 7 Packaging

