EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

owon®

2-CH
frequency output:35MHz / 70MHz
Sample rate: 125MSa/s / 300MSa/s



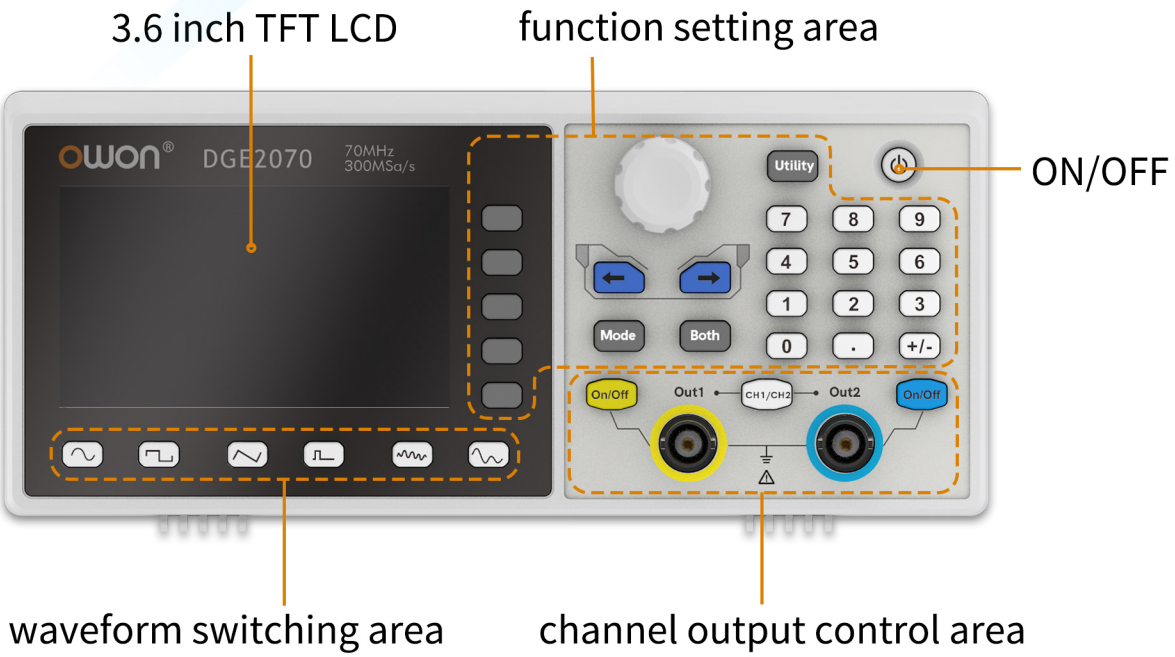


DGE2000
Waveform Generator

- Up to 70MHz frequency output, Max 300MSa/s sample rate
- Vertical Resolution :14 bits, max 8K Arb waveform length
- Comprehensive waveform output :
  5 basic waveforms, and 150 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

شرکت صائن
WWW.SAENCO.COM
021 88936611

APPEARANCE DIMENSION







Dimension (W x H x D):
200mm x 86.5mm x 74.5mm

3.6 inch LCD Display

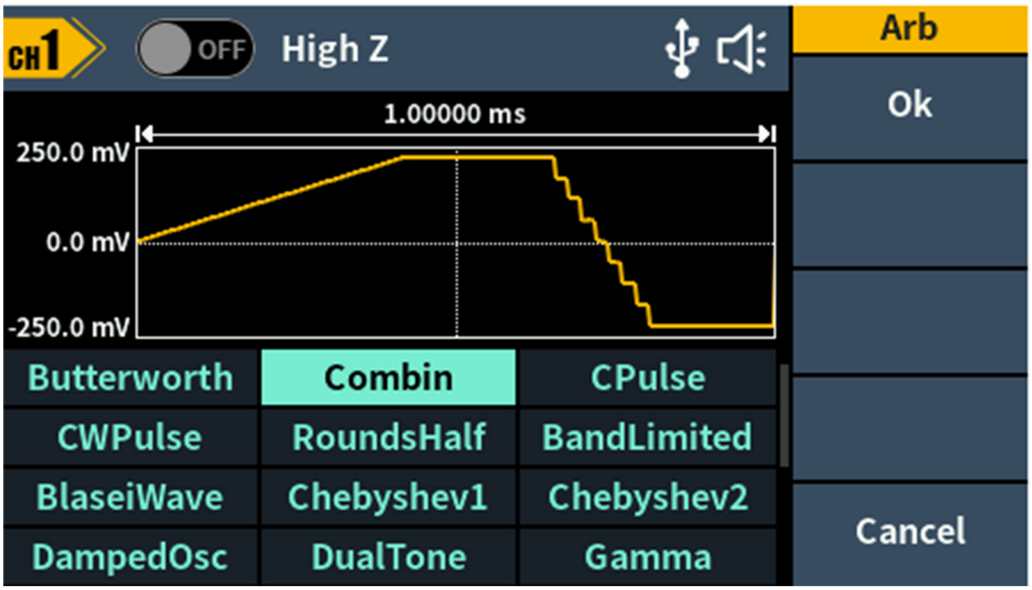


DGE2000 series adopt 3.6 inch TFT color LCD display, each channel output waveform status and menu settings can be fully displayed on the screen.
With convenient shortcut key, it makes man-machine interaction more convenient and effectively improve working efficiency.

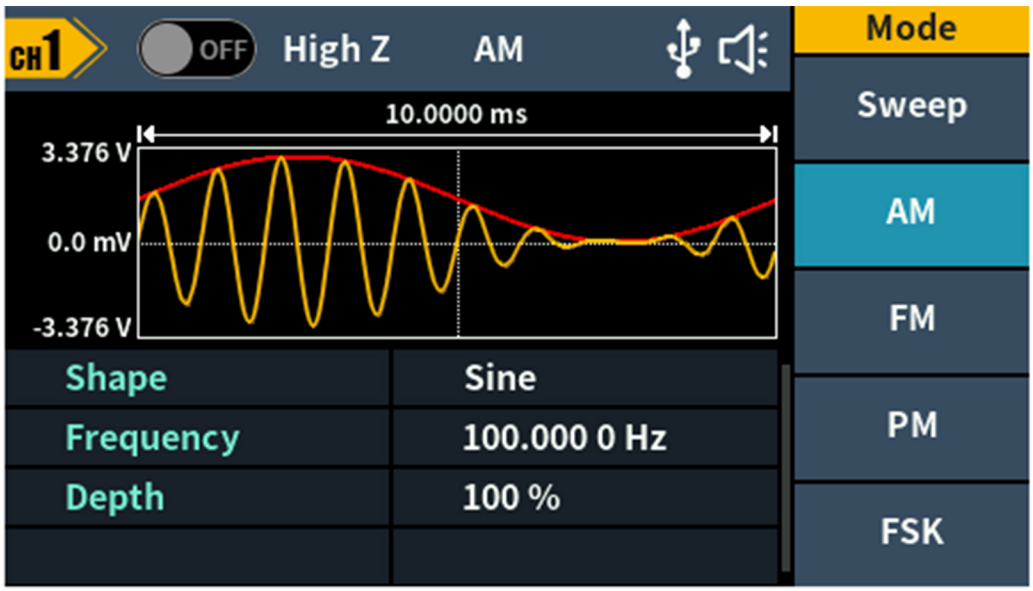
FUNCTION INTRODUCTION



Standard equivalent performance dual channel.



with more than 150 kinds of built-in arbitrary waveforms.



support AM, FM, PM, FSK modulation mode.



Sweep function



Burst function



16 non-volatile digital arbitrary waveform storage functions.



Support PC remote control

Product Specifications

Model	DGE2035	DGE2070
Channel	2	
Frequency Output	35MHz	70MHz
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 150 built-in waveforms, and user-defined arbitrary waveform	
Frequency		
Sine	1μHz - 35MHz	1μHz - 70MHz
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℃	
Frequency Aging Rate	±30 ppm per year	
Arbitrary		
Waveform Length	2 - 8K points	
Sample Rate	125Ma/s	300Ma/s
Amplitude		
into 50Ω Load	1mVpp - 10Vpp （≤10MHz） 1mVpp - 4Vpp （≤70MHz）	
DC Offset Range (AD+DC)	±(10 Vpk – Amplitude Vpp/2) high resistance ±(5 Vpk – Amplitude Vpp/2) 50 Ω	
DC offset Resolution	1mV or 4digits	
Load Impedance	50Ω (typical)	
DC offset Accuracy	±(1 % of |setting| + 1 mV + amplitude Vpp x 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	1μHz ≤ Offset ≤ 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 74.5mm
Weight (without package)	0.5kg

شرکت صائن
WWW.SAENCO.COM
021 88936611

Accessories and Packaging

1. Host Machine
2. BNC to Alligator Clip
3. Q9 Cable
4. USB to DC Cord
5. USB Cable
6. Power Adapter
7. Quick Guide
8. Packaging



owon® Meeting your needs
Fujian Lilliput Optoelectronics Technology Co., Ltd.
No. 19, Heming Road, Lantian Industrial Zone Zhangzhou 363005 P.R. China
Tel : +86.596.213.0430 E-mail :info@owon.com.cn www.owon.com