GF-856, GF-858 ARBITRARY WAVEFORM GENERATORS
25 MHz, 125 MS/s, USB, RS-232

The multifunction generators **GF-858** (25 MHz) and **GF-856** (5 MHz) which combines Arbitrary Waveform and Function Generator, uses DDS (Digital Data Storage) technology to offer two programmable signals in a 4 inches LCD colour screen. All basic waveform are pre-programmed.

CREATE YOUR OWN WAVE FORMS USING THE PC SOFTWARE AND GENERATE THEM IN THE INSTRUMENT

Besides using the front panel keyboard for programming, the program can be enhanced in the PC and send it through USB. (also RS-232 in the model **GF-858**).

One feature that makes the generator especially interesting is the possibility of playing all types of analog and digital modulations: AM, FM, PM, FSK and perform sweeps and burst. The instruments also have an input for external modulation and external clock input. They include a 6 digits frequency counter up to 200 MHz.

- ✓ 4" high resolution (480 × 320 pixels) TFT LCD display
- ✓ Advanced DDS technology
- ✓ Sample rate 125 MS/s
- ✓ Frequency resolution 1 mHz
- ✓ Vertical resolution 14 bits
- ✓ Waveform record length 1 M
- ✓ 5 basic waveforms and 45 built-in arbitrary waveforms output
- ✓ Standard interface USB port
- ✓ PC software included

SPECIFICATIONS	GF-856	GF-858
Frequency output	5 MHz	25 MHz
Sample rate	125 MS/s	
Vertical resolution	14 bits	
Waveform Standard Arbitrarias	Sine, Square, Ramp, Pulse, Noise Exponential Rise, Exponential fall Sin(x)/x, Step Wave, etc. Total 45 built-in waveforms and user-defined arbitrary waveforms.	
Frequency resolution Sine	1 µHz to 5 MHz	1 µHz to 25 MHz
Square Pulse Ramp	1 µHz to 5 MHz 1 µHz to 5 MHz 1 µHz to 1 MHz	
Ruido Arbitrary waveform	5 MHz (-3 dB) typ. 1 µHz to 5 MHz	25 MHz (-3 dB) typ. 1 µHz to 25 MHz
Amplitude	1 m Vpp to 1 Vpp (50 Ω) 1 m Vpp to 20 Vpp (high impedance) 1 m Vpp or 14 bits	
DC Offset Resolution Load impedance	± 5 V (50 Ω), ±10 V (high impedance) 1 mV 50 Ω typical	

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Arbitrary waveform Wavelength Non-volatile Memory	2 pts to 8 K pts 26 waveforms	
Modulation Modulation waveform Modulation frequency	AM, FM, PM, FSK, Sweep and Burst 2 mHz to 20 kHz (FSK 1 µHz a 100 kHz)	
Counter Function Frequency range Resolution	Frequency, period, positive pulse width, duty cycle 100 mHz to 200 MHz 6 digits	
Input / Output Display Type	4" (480 x 320 pixels) LCD External reference clock input / output External trigger input / output External modulation input / output	
Communication interface	USB host, USB device, LAN (remote control)	USB host, USB device, LAN (remote control), RS-232
Accessories	PC Software, Quick reference guide, USB cable, Power cord	
Mechanical features	235 (W.) x 110 (H.) x 295 (D.) mm 3 kg.	

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE 11-17