

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

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.

Besides using the front panel keyboard for programming, the program can be enhanced in the PC and send it through USB.

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.



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

- ✓ 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	SPECIFICATIONS	
Frequency output	5 MHz	25 MHz	Arbitrary waveform Wavelength Non-volatile Memory	2 pts to 8 K pts 26 waveforms
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.		Modulation Modulation waveform Modulation frequency	AM, FM, PM, FSK, Sweep and Burst 2 mHz to 20 kHz (FSK 1 μHz a 100 kHz)
Frequency resolution Sine Square Pulse Ramp Ruido Arbitrary waveform	1 μHz to 5 MHz	1 μHz to 25 MHz	Counter Function Frequency range Resolution	Frequency, period, positive pulse width, duty cycle 100 mHz to 200 MHz 6 digits
Amplitude	1 m Vpp to 10 Vpp (50 Ω) 1 m Vpp to 20 Vpp (high impedance) 1 m Vpp or 14 bits	1 μHz to 5 MHz 1 μHz to 5 MHz 1 μHz to 1 MHz	Input / Output Display Type	4" (480 x 320 pixels) LCD External reference clock input / output External trigger input / output External modulation input / output
DC Offset Resolution Load impedance	± 5 V (50 Ω), ±10 V (high impedance) 1 mV 50 Ω typical	5 MHz (-3 dB) typ. 1 μHz to 5 MHz	25 MHz (-3 dB) typ. 1 μHz to 25 MHz	Communication interface USB host, USB device, LAN (remote control)
			Accessories	PC Software, Quick reference guide, USB cable, Power cord
			Mechanical features	235 (W.) x 110 (H.) x 295 (D.) mm 3 kg.