

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 WAVE FORMS 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	2 pts to 8 K pts 26 waveforms
Sample rate	125 MS/s		Wavelength	
Vertical resolution	14 bits		Non-volatile Memory	
Waveform	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	AM, FM, PM, FSK, Sweep and Burst
Standard			Modulation waveform	2 mHz to 20 kHz (FSK 1 µHz a 100 kHz)
Arbitrarias			Modulation frequency	
			Counter	Frequency, period, positive pulse width, duty cycle
Frequency resolution	1 µHz to 5 MHz	1 µHz to 25 MHz	Function	100 mHz to 200 MHz
Sine	1 µHz to 5 MHz		Frequency range	6 digits
Square	1 µHz to 5 MHz		Resolution	
Pulse	1 µHz to 1 MHz		Input / Output	4" (480 x 320 pixels) LCD
Ramp	5 MHz (-3 dB) typ.		Display	External reference clock input / output
Ruido	1 µHz to 5 MHz		Type	External trigger input / output
Arbitrary waveform	25 MHz (-3 dB) typ. 1 µHz to 25 MHz		External modulation input / output	
Amplitude	1 m Vpp to 10 Vpp (50 Ω) 1 m Vpp to 20 Vpp (high impedance) 1 m Vpp or 14 bits		Communication interface	USB host, USB device, LAN (remote control)
DC Offset	± 5 V (50 Ω), ±10 V (high impedance)		Accessories	PC Software, Quick reference guide, USB cable, Power cord
Resolution	1 mV		Mechanical features	235 (W.) x 110 (H.) x 295 (D.) mm 3 kg.
Load impedance	50 Ω typical			