

## Global Function Generators

### A new standard in signal generation

- 2 MHz to 20 MHz
- Built-in 40 MHz Frequency Counter
- High Stability, Low THD
- Sine, Square, Triangle Waves; TTL and CMOS  $\pm$ Pulse,  $\pm$ Ramp
- RS-232 Interface Standard
- 3-Year Warranty

This new line of function generators meets your most demanding test and measurement

needs. Their tight microprocessor control gives you frequency stability of 0.1% and total harmonic distortion (THD) of less than 1%. Set your output, and you're sure it will be accurate for the duration of the test.

**Each Unit Includes:**

AC power cord and user's manual.

**NOTE:** For 230V power add-230 to the part number.



105-2120 ▲

### Specifications

Mfg#	105-2102	105-2105	105-2110	105-2120
Ranges:	(7) 0.1 Hz to 2 MHz	(8) 0.1 Hz to 5 MHz	(8) 0.1 Hz to 10 MHz	(8) 0.2 Hz to 20 MHz
Resolution:	4-digits		5-digits	
Stability:	0.1%			
Operating Modes:	Normal, VCG	Normal, Sweep, VCG		Normal, Sweep, VCG, AM, FM, Burst
Output Characteristics				
Level:	20 Vp-p, open circuit; 10 Vp-p into 50 $\Omega$			
Amplitude:	Variable, 20 dB range typical			
Linear/Log Sweep				
Width:	N/A	100:1, continuously variable		
Rate:	N/A	20 msec to 30 sec, continuously variable		
Sweep Output:	N/A	0 to 2V		
Frequency Counter:	5 Hz to 40 MHz range, <25 mV RMS sensitivity, $\pm$ 10 ppm $\pm$ 1 count			
Power Source:	110/230 VAC, 50/60 Hz			
Order #	MP23803E-2	MP23803E-5	MP23803E-10	MP23803E-20
Price:				

## Meterman Sweep/Function Generator

- 3 MHz Function Generator, FG2C
- 3 MHz Sweep/Function Generator, with Built-in Counter to 150 MHz, FG3C (4277E)

These two function generators by Wavetek provide a substantial array of output capabilities. They are extremely reliable for heavy day-to-day usage in electronic troubleshooting, production manufacturing test or as a breadboarding signal source.

The 4277E Sweep/function generator provides sine, square, triangle waves and TL and CMOS pulse outputs for 0.3 to 3 MHz. A built-in frequency counter with 6 digit display accurately shows frequency setting. Or use as stand-alone frequency counter for external signals from 5 to 150 MHz. Control the linear or logarithmic sweep of any of the selected signal outputs internally or with user provided external modulating signal. Produce TTL or CMOS pulses with the duty cycle function. Switchable 20 dB attenuator allows for low level signal output.

The FG2C functions generator supplies all the basic test waveforms for fast, easy push-button selection of square, triangle and sine waves plus TTL or CMOS pulse output with low impedance, low distortion output. Smooth, analog knob dials frequency between 0.3 Hz and 3 MHz. Vary the output from less than 20 mVp-p to 20 Vp-p open circuit (10 Vp-p max 50 $\Omega$  load). Duty cycle control allows for setting pulses positive or negative. The VCF input allows external control for generating sweep signals.

**Each Unit Includes:** AC Power cord, coaxial test cable (two cables for FG3C), spare fuse, and operator's manual.



FG3C ▶

### Specifications and Ordering Information

Mfg#	FG3C	FG2C
Frequency Ranges:	7 Ranges, 0.3 to 3 MHz	
Output Amplitude:	20 Vp-p open circuit, 10 Vp-p max 50 ohm load	
Sine Wave Distortion:	$\leq$ 1%, 0.3 to 200 kHz	
AM-Depth:	0-100%	N/A
AM-Mod. Frequency:	400 Hz (int), DC to 1 MHz ext	N/A
Carrier Bandwidth:	100 Hz to 3 MHz (-3dB)	N/A
FM-Deviation:	0 to $\pm$ 5%	N/A
FM-Mod. Frequency:	400 Hz (int), DC to 20 kHz ext	N/A
Display:	6 digit, 0.3" high LED	Dial Control
Power Supply:	115 VAC or 230 VAC, 60 or 50 Hz	
Size/Weight:	9.6" x 3.7" x 11.5"/4.8 lbs	9.6" x 3.7" x 11.5"/4.4 lbs
Order #	MP4277E	MPFG2C
Price:		

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL