

## SIGNAL GENERATORS

### Function Generator - 3MHz

- Frequency range: 0.5Hz - 3MHz
- DC Offset
- Sine, Square & Triangle Output
- Linear/Log Sweep Generator
- Built-in Frequency counter (SWF-8030)

**SWF-8020** Function Generator - 3MHz

**SWF-8030** Function Generator - Built-in Frequency Counter



SPECIFICATIONS	SWF-8020	SWF-8030
FREQUENCY RANGE	0.5Hz - 3MHz	
OUTPUT	Sine, Square, Triangle, Ramp, +Pulse, -Pulse	
OUTPUT AMPLITUDE	0.1 Vpp - 20 Vpp (no load), 0.05 Vpp - 10 Vpp (50Ω load)	
ATTENUATOR	-20 db, ±2%	
DC OFFSET	Variable ±10V (no load)	
OUTPUT IMPEDANCE	50Ω, ±2%	
SQUAREWAVE RISE/FALL TIME	<60ns	
SINEWAVE DISTORTION	<2%, 1Hz - 100KHz	
TRIANGLE WAVE NONLINEARITY	<2%, 1Hz - 100KHz	
SWEEP RATE	5s - 10ms, continuous adjustment	
FREQUENCY COUNTER (SWF-8030)	5 digits red LED display, Maximum resolution 0.001Hz	



SWF-8020



SWF-8030

### Audio Generator

- Frequency : 10Hz - 1MHz (5 ranges)
- Maximum input: 10V RMS
- Sine or square wave output
- Built-in attenuator
- Two year warranty

**SGA-8200**



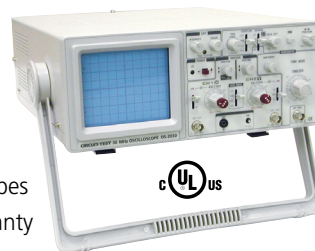
SPECIFICATIONS	SGA-8200
ACCURACY	10Hz to 1MHz ±(5% + 2Hz), 100Hz to 100KHz ±(3% + 2Hz)
OUTPUT IMPEDANCE	600 Ω, unbalanced
SINE WAVE OUTPUT RANGE	10Hz to 1MHz
OUTPUT VOLTAGE	8V RMS maximum
OUTPUT DISTORTION	500Hz to 50KHz < 0.05%, 50KHz to 500KHz < 0.5%
SQUARE WAVE OUTPUT RANGE	10Hz to 100KHz
OUTPUT VOLTAGE	15Vp-p max.
SYNCHRONIZATION RANGE	±1% of oscillator frequency per V RMS
INPUT IMPEDANCE	10K Ω



## OSCILLOSCOPES

### 30MHz Dual Channel Oscilloscope

- 30MHz Bandwidth
- Two x1 / x10 switchable probes
- Dual channel
- Two year warranty
- Single sweep timebase



**OS-2030**

SPECIFICATIONS	OS-2030
SWEEP TIME	0.1μs/Div - 2.0s/Div ±3%
SENSITIVITY	5mV - 5V/Div @ x1 mode ±3%, 1mV - 1V/Div @ x5 mode ±5%
RISE TIME	17.5ns
MAXIMUM INPUT VOLTAGE	400V (DC + AC peak)
TRIGGER SOURCE	CH1, CH2, EXT
CRT ACCELERATION VOLTAGE	2.1 KV
POWER REQUIREMENTS	120VAC 60Hz, 40W

## OSCILLOSCOPE PROBES

- x1/x10 switchable attenuation
- Sheathed alligator clip on the ground connection
- Hook-on style tip and BNC connector

SPECIFICATIONS	OP-60B	OP-100A	OP-250A
BANDWIDTH	6MHz / 60MHz	6MHz / 100MHz	6MHz / 250MHz
ATTENUATION	x 1 / x 10		
INPUT RESISTANCE	1M Ohm/ 10M Ohm		
INPUT CAPACITANCE	91pF / 18pF	56pF / 13pF	47pF / 17pF
COMPENSATION RANGE	N/A / 10-30pF		
RISE TIME	58ns / 5.8ns	58ns / 3.5ns	58ns / 1.4ns

