



## FUNCTION GENERATOR WITH DIGITAL COUNTER

It is a highly stable , multipurpose , broad band width function generator which can directly generate Sine , Triangle , Square , Ramp , Pulse , waveform . It has VCF voltage control frequency & TTL / CMOS synchronized output functions . Frequency counter can display the frequency of internal signal & external input signal up to 30 MHz .



### SPECIFICATIONS :

<b>Frequency Range</b>	:	0.1Hz -1MHz
<b>Waveform</b>	:	Sine ,Triangle , Square , +ve & - ve Ramp , + ve & - ve Pulse, TTL Pulse Sweep signal . Symmetry of Ramp & Pulse variable within 80 : 20 (1Hz ~ 100)
<b>Rising &amp; Falling Edge of Square</b>	:	≤ 30ns
<b><u>Sine Waveform</u></b>		
1) <b>Distortion</b>	:	< 1% (1Hz ~ 100 KHz)
2) <b>Frequency Response</b>	:	≤ ± 0.5dB (1Hz ~ 100 KHz) ≤ ± 1dB (2MHz) ≤ ± 3dB (5MHz)
<b><u>TTL / CMOS Output</u></b>		
1) <b>Output level of TTL pulse</b>	:	≥ 3.5V
2) <b>Output level of CMOS pulse</b>	:	5V ~ 14V continuously variable
3) <b>Synchronous output</b>	:	TTL pulse (up to 20 TTL loads)
4) <b>Rising time</b>	:	≤ 30ns
<b><u>Output</u></b>		
1) <b>Output Amplitude</b>	:	≥ 20V p - p (open circuit) ≥ 10V p - p (with 50Ω load)
2) <b>Output Attenuator</b>	:	0dB , 20dB , 40dB , 60dB
3) <b>DC Offset</b>	:	± 10V continuously adjustable
<b>Symmetry Range</b>	:	80 : 20 to 20 : 80
<b><u>VCF Input</u></b>		
1) <b>Max. Voltage</b>	:	-5V ~ 0V ± 10%
2) <b>Max. Control rate</b>	:	1000 : 1
3) <b>Frequency</b>	:	DC ~ 1KHz
<b><u>Frequency Counter</u></b>		
1) <b>Measuring range</b>	:	1Hz - 30MHz
2) <b>Input Impedance</b>	:	1MΩ / 20pF
3) <b>Sensitivity</b>	:	100m Vrms
4) <b>Max Input</b>	:	150V AC + DC (with attenuator)
5) <b>Input attenuator</b>	:	20dB , 0dB
6) <b>Measuring Error</b>	:	not more than $3 \times 10^{-5} \pm 1$ digit
<b>Power Supply</b>	:	AC 220V ± 10% , 50Hz

## CROWN ELECTRONIC SYSTEMS

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