



An ISO 9001:2008 Company

# FUNCTION GENERATOR

## Model KM 2005



Preliminary Data

### FEATURE :

- Frequency of the mode : 0.1Hz ~ 5MHz
- Output waveform : Sine, Triangle, Square, ramp  $\pm$ Pulse
- TL / CMOS and OUTPUT synchronous output.
- Less than 1% distortion at 10Hz-- 100KHz
- Less than 0. 5dB frequency response at 0. 1Hz-- 100KHz
- 1Hz-- 30MHz frequency counter.

### ELECTRICAL SPECIFICATIONS :

- Frequency : 0.1Hz ~ 5MHz
- Output waveforms : Sine, triangle, square, positive and negative pulse, positive and negative ramp
- Output impedance :  $50\Omega \pm 10\%$
- Amplitude : Not less than 50Vpp (open circuit)
- DC voltage : 0 ~  $\pm 10V$  continuously adjustable
- Symmetry range : 90:10-- 10:90
- Rising edge of square : Less than 50ns
- SINE CHARACTERISTIC :
  - Distortion : Less than 1% at 10H - 100KHz
  - Frequency response : 0.1 Hz ~ 100 MHz :  $\leq \pm 0.5dB$   
100 KHz ~ 5 MHz  $\leq \pm 1dB$
- TTL/CMOS OUTPUT :
  - Level : Level: TTL low level less than 0.4V in pulse wave, high level less than 3.5V,  
CMOS low less tan 0 - 14V continuously variable.
  - Rising time : Less than 100ns
- VCF INPUT :
  - Output voltage : -5V ~ 0V  $\pm 10$
  - Max. volt controlled : 1000:1
  - Input signal : DC - 1KHz
- FREQUENCY COUNTER :
  - Measuring range : 1Hz ~ 10MHz  $\geq 10Vp-p$
  - Input impedance : Not less than  $1M\Omega / 20F$
  - Sensitivity : 100mVrms
  - Max. Input : 150V (AC+DC)
  - Input attenuation : 20dB
  - Accuracy : Less than 0. 003%  $\pm 1$ digit
  - Line power : 220V/110V $\pm 10\%$  50Hz/60Hz
- Dimension : 270 \* 225 \* 90mm.
- Weight : About 2. 5Kg

All Specifications are subject to change without prior notice.



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G-17, Bharat Industrial Estate, T. J. Road, Sewree (W), Mumbai - 400 015. INDIA.  
Sales Direct.: 022-24156638, Tel. : 022-24124540, 24181649, Fax : 022-24149659  
Email : kusam\_meco@vsnl.net, Website : www.kusamelectrical.com