

FG-7005C : 0.02Hz~5MHz, LED display



Wide frequency range : 0.02Hz to 5MHz in 7 range

4-in-1 sweep, function & pulse generator and frequency counter

Versatile waveforms : Sine, Triangle, Ramp, Pulse sawtooth and DC output

Built-in 6 digit internal and external counter display (Max. 50MHz)

Internal and external linear sweep control from 1 : 1 to 100 : 1

Low distortion factor less than 1% at 0.2Hz to 100kHz

TTL and CMOS leveled square wave output

Variable DV offset control

Variable symmetry to generate sawtooth and pulse waveform

Variable output level control with 20dB attenuator and amplitude control

FREQUENCY

- Output waveform : Sine, Triangle, Square, Pulse sawtooth, Ramp, TTL, CMOS
- Frequency range : 0.02Hz~5MHz in the 7 ranges
- Frequency accuracy : ± 1 count

EXTERNAL FREQUENCY CONTROL(VCF)

- Input voltage : 0 to 10V(DC + AC peak)

- Frequency variable range : 100 : 1 or more
- DC offset : \square 10V(without load), \square 5(with load)
- Symmetrical variable range : 10 : 1 to 1 : 10 or more

SINE WAVE

- Distortion : less than 1%(0.2Hz ~ 100kHz)

SQUARE WAVE

- Rise / fall time : less than 25ns

TRIANGLE WAVE

- Linearity : less than 1% up to 100kHz and less than 5% up to 2MHz

TTL OUTPUT

- Output : TTL level
- Rise/fall time : less than 25ns

CMOS OUTPUT

- Output : 4V~15V \square 1V, continuously variable
- Rise/fall time : less than 40ns (at Max. output level_

SWEEP

- Width : 1 : 1 to 100 : 1
- Rate : 20ms to 2s (50hz to 0.5Hz)
- Internal sweep : linear
- External sweep : by means of VCF input

OUTPUT

- Output voltage : 20Vp-p (open circuit), 10Vp-p(into 50 Ω)
- Attenuator : -20dB
- Impedance : 50 Ω \pm 5%

FREQUENCY COUNTER

- Display : 6 digit green LED(0.2Hz ~ 50MHz)
- Accuracy : time base error \pm 1 counter
- Input sensitivity : 100mV on kHz range and 300mV on MHz range
- Max. input voltage : 150Vrms at 1kHz

GENERAL

- Operating environments : 0 $^{\circ}$ ~ 35 $^{\circ}$, 85% RH
- Range for guaranteed : 25 $^{\circ}$ ~ 5 $^{\circ}$, 75% RH
- Power requirement : AC 115 / 230V \pm 10%, 50/60Hz
- Power consumption : approx. 20W
- Dimension : 255mm(W) X 80mm(H) X 260(D)
- Accessories : power cord, fuse, operation manual, BNC cable