

Trigger Coupling :

- AUTO : Sweep free-runs in absence of suitable trigger signal.
- NORM : Sweep triggered only by adequate trigger signal.
- TV-V : Video vertical sync pulses are selected. Also usable for high frequency reject.
- TV-H : Video horizontal sync pulses are selected. Also usable for low frequency reject.

Trigger Sensitivity :

- AUTO : 1.5 div (internal)
>0.5 Vp-p (external)
100 Hz -40 MHz
- NORM : 1.5 div (internal)
20.5 Vp-p (external)
100 Hz -40 MHz
- TV-V : 1.0 div (internal)
>0.5 Vp-p (external)
DC -1KHz
- TV-H : 1.0 div (internal)
>0.5 Vp-p (external)
1KHz-100 KHz

Maximum External Trigger Voltage :

300 V (dc + ac peak).

FUNCTION GENERATOR

GENERAL SPECIFICATIONS :

- Frequency : 0.5Hz ~ 5MHz in 6 steps, controlled by one push switch.
- Output Waveform : Sine, Square, Triangle, 3 waveforms total.
- Stability : 0.1% - 15minutes after power-on.
0.2% - 24hrs after power-on.
- Limits of Operation : 0°C~40°C, 10~80%R.H.
- Storage Environment : -20°C~70°C, 0~90%R.H.

TRIANGLE WAVE :

- Frequency : 0.5Hz - 5MHz.
- Symmetry : 50% (rise wave) to 50% (fall wave), < 2%, 1Hz ~ 100KHz.
- Linearity : < 1%, 1Hz ~ 100KHz.

SINE WAVE :

- Frequency : 0.5Hz ~ 5MHz.
- Distortion : < 2%, 1Hz ~ 100KHz.
- Harmonic Ratio : < 30dB, 100KHz ~ 5MHz.
- Frequency Response : < 0.1dB up to 100KHz.
< 1dB 100KHz to 5MHz.

SQUARE WAVE :

- Frequency : 0.5Hz ~ 5MHz.
- Symmetry : 50% (positive half) to 50% (negative half), < 2%, 1Hz ~ 100KHz.
- Rise Time : < 60ns.

MAIN OUTPUT :

- Output Impedance : 50Ω, < 2% Accuracy.
- Max. Output : 20 Vp-p (No load), ±1V?
10 Vp-p (50Ω load), ±0.5V ?
- Min. Output : 0.1Vp-p (No load) and 0.05V (50Ω load)
- Attenuator : one -20dB switch, < 2% Accuracy.

SYNCHRONOUS OUTPUT :

- Output Impedance : 50Ω, < 2% Accuracy.
- Output Level : TTL level, > 3Vp-p fixed amplitude.
- Fanout : > 20.
- Rise Time : < 60ns(no load).

FREQUENCY COUNTER

DISPLAY :

- 5digits, 0.36" Red LED, Display at "Hz" or "KHz" unit, Auto range.

GATE TIME :

- Auto Select** : form 10S to 0.25S According to the frequency of the input signal Auto select.

FS-409 SPECIFICATIONS

Auto Detect : The gate time LED will "FLASH" when with input and will "OFF" without input signal, Auto Detect,

Auto re-set : The data will hold 10S Max. after the input signal is stop and then Auto re-set,

RESOLUTION : 0.001Hz to 1KHz according to the frequency of the input signal. Auto Select.

MAX.COUNTER RANGE : 0.1Hz to 50MHz

ACCURACY : + 0.01% + 1digit or 1/99999 +1digit

TIME BASE : 18.432MHz + 10ppm(23}C ± 5}C)

SENSITIVITY :

NOTE : 1.The counter must be set at "DC COUPLING" operation when the input signal is less than 10Hz.

2.The counter are operated by the "Triggle Sourace" CH1, CH2 or EXT. But can not by "ALT" source.

MODE	RANGE	SENSITIVITY
INT	2Hz~40MHz	<input type="checkbox"/> 1DIV
	1Hz~45MHz	<input type="checkbox"/> 2DIV
	0.2Hz~50MHz	<input type="checkbox"/> 3DIV
EXT	10Hz~50MHz	<input type="checkbox"/> 200mVrms
	1Hz~50MHz	<input type="checkbox"/> 400mVrms

OTHER SPECIFICATIONS

Cal/Probe Compensation Voltage : 2 V p-p +3% square wave, 1KHz nominal.

CH 2 (Y) Output : 50 mV/div (nominal into 50 ohm load).

Output Impedance : Approximately 50 ohms.

Frequency Response : 20 Hz to 30 MHz, -3 dB.

Power Requirement : 10~130 VAC or 200-260 VAC, 50/60 Hz, 50 watts.

Dimensions (H x W x D) :

5.2" x 12.8" x 15.7"

(132 x 324 x 398 mm).

Weight : 18.7 lbs (8.5 kg).

Environment :

Within Specified Accuracy : +10" to +350 C, 10-80%

Full Operation : 0" to +50" C, 10-80% relative humidity.

Storage : -30" to +70" C, 10-90% relative humidity.

ACCESSORIES SUPPLIED :

Two Switchable X1/X10 Probes.

Instruction Manual.

AC Line Cord.