

Models 4001A &
4003A

Function Generators

Data Sheet

Models 4001A and 4003A are 4MHz Sweep Function Generators. The sweep function offers linear or log sweep with variable sweep rates and widths. The model 4003A has the addition of a 60MHz five digit external frequency counter.

- Common Features
- Generates Sine, Triangle & Square waveforms from 0.5Hz to 4MHz
 - 20Vpp output into open circuit (10Vpp into 50 Ohms)
 - TTL Output <25nS
 - 100% DC offset
 - Variable amplitude output plus 20dB attenuator

- 4003A Additional Features
- CMOS adjustable level output
 - 5 digit LED display
 - Voltage Control Generator (VCG) input

MAIN OUTPUT

- Frequency Range0.5Hz to 4MHz in 6 Ranges
- Waveforms6 Waveforms (Sine, Square, Triangle, Ramp, +Pulse, -Pulse)
- Amplitude20Vp-p in to a Open (10Vp-p in to 50Ω)
- Attenuator0dB, -20db (+2%)
- Output Impedance50Ω (+2%)
- DC Offset+10V (pull ADJ.)
- Frequency AdjustCounter Accuracy
- Distortion<1%, 1Hz to 100KHz
- Rise/Fall Time<60nS
- V.C.F. Input0 to +10V control

SYNC OUTPUT

- Rise Time<40nS
- Level>3Vp-p (open)
- WaveformsSquare, Pulse
- SWEEP
- ModeLinear/Log Sweep
- Width>100:1 Continuously Variable
- RateFrom 10mS to 5S Continuously Variable
- Sweep Output10Vp-p (open)
- Output Impedance1KΩ +2%



Model 4001A



Model 4003A

COUNTER	Model 4001A	Model 4003A
Display	-	6 digit 0.36 Red LED display with Autorange
Gate Time	-	Auto Select (0.25S~10S)
Resolution	-	0.001Hz
MODE	-	INT Function Generator/EXT Counter
Attenuator	-	0dB, -26dB (+2%)
Accuracy	-	< 0.02% ± 1digit
Time Base	-	20MHz (+ 10PPM)
Frequency Range	-	0.2Hz~60MHz
Sensitivity	-	25mVrms at 1MHz
Max Input	-	250Vrms
Input Impedance	-	1MΩ +2%
Power Source	AC 115V/230V +10%, 50/60Hz, 25watt	
Dimension	10.83" x 3.6" x 11.8" (275 x 90 x 300mm)	
Net Weight	4.9lbs. (2.2kg)	5.5lbs. (2.5kg)

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[4001A](#)