

# Function Generators Models 4001 & 4003

- Generates Sine, Triangle, & Square waveforms
- 0.5Hz to 3MHz
- 20Vp-p output into open circuit (10Vp-p into 50 ohms)
- TTL Output <25nS (model 4001 <30nS)
- Voltage Control Generator (VCG) input
- 100% DC offset
- Model 4003: 5 digit display
- Variable amplitude output plus 20dB attenuator

## MAIN OUTPUT . . . . .

Frequency Range . . . . . 0.5Hz to 3MHz in 6 Ranges  
 Waveforms . . . . . 6 Waveforms (Sine, Square, Triangle, Ramp, +Pulse, -Pulse)  
 Amplitude . . . . . 20Vp-p in to a Open (10Vp-p in to 50W)  
 Attenuator . . . . . 0dB, -20db (+2%)  
 Output Impedance . . . . . 50W (+2%)  
 DC Offset . . . . . +10V (pull ADJ.)  
 Frequency Adjust . . . . . Counter Accuracy  
 Distortion . . . . . <1%, 1Hz to 100KHz  
 Rise/Fall Time . . . . . <60nS  
 V.C.F. Input . . . . . 0 to +10V control

## SYNC OUTPUT . . . . .

Rise Time . . . . . <40nS  
 Level . . . . . >3Vp-p (open)  
 Waveforms . . . . . Square, Pulse  
 SWEEP . . . . .  
 Mode . . . . . Linear/Log Sweep  
 Width . . . . . >100:1 Continuously Variable  
 Rate . . . . . From 10mS to 5S Continuously Variable  
 Sweep Output . . . . . 10Vp-p (open)  
 Output Impedance . . . . . 1KW +2%



Model 4001



Model 4003

| COUNTER         | Model 4001                               | Model 4003                                  |
|-----------------|------------------------------------------|---------------------------------------------|
| 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        | -                                        | + time Base Accuracy + 1 count              |
| Time Base       | -                                        | 20MHz (+ 10PPM)                             |
| Frequency Range | -                                        | 0.2Hz~60MHz                                 |
| Sensitivity     | -                                        | 25mVrms at 1MHz                             |
| Max Input       | -                                        | 250Vrms                                     |
| Input Impedance | -                                        | 1MW +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)                             |

Specifications Subject to change without notice.