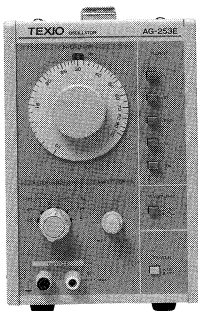


# Audio Generators / Function Generators

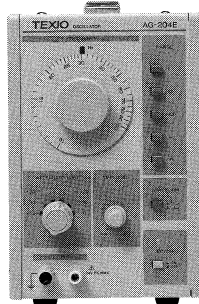
Distortion 0.004%(typical at 1kHz)



## AG-253E Audio Generator

- Frequency range 10Hz ~ 1MHz (5 ranges)
- Frequency accuracy  $\pm (5\%+1\text{Hz})$
- Output voltage: 5Vrms(sine wave), 10Vp-p(Square wave)
- Deviation of output voltage  $\pm 0.2\text{dB}(30\text{Hz}\sim 50\text{kHz})$
- Distortion 0.004% (typ. at 1kHz)
- Output impedance 600  $\Omega$
- External sync 1%/Vrms minimum

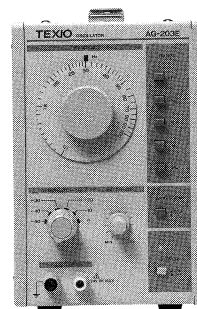
Distortion 0.02%



## AG-204E Audio Generator

- Frequency range 10Hz~1MHz (5 ranges)
- Frequency accuracy  $\pm (5\%+1\text{Hz})$
- Output voltage:5Vrms (sine wave), 10Vp-p(Square wave)
- Deviation of output voltage  $\pm 0.5\text{dB}$
- Distortion 0.02% or less (500Hz~20kHz)
- Output impedance 600  $\Omega$
- External sync 1%/Vrms minimum

Distortion 0.1%

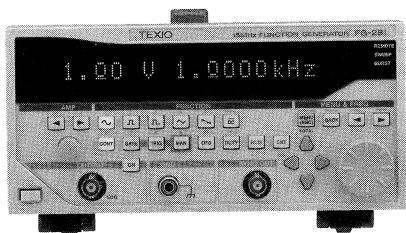


## AG-203E Audio Generator

- Frequency range 10Hz ~1MHz (5 ranges)
- Frequency accuracy  $\pm (5\%+1\text{Hz})$
- Output voltage: sine wave 7Vrms (open circuit), square wave 10Vp-p (open circuit)
- Deviation of output voltage  $\pm 0.5\text{dB}$
- Distortion 0.1% or less (400Hz ~ 20kHz)
- Output impedance 600  $\Omega$
- External sync 1%/Vrms minimum

### AG-253E/204E/203E Specifications

Model	AG-253	AG-204D	AG-203D
Oscillator frequency range	10Hz to 1MHz(5 ranges) x 1 ranges: 10Hz to 100Hz x10 ranges: 100Hz to 1kHz	x100 ranges: 1kHz to 10kHz	x1K ranges: 10kHz to 100kHz x10k ranges: 100kHz to 1MHz
<b>Sinewave characteristics</b>			
Output voltage	5Vrms min.(600 $\Omega$ load)		7Vrms min. (open circuit)
Output voltage flatness	30Hz to 50kHz: $\pm 0.2\text{dB}$ 10Hz to 1MHz: $\pm 0.5\text{dB}$		10Hz to 1MHz: $\pm 0.5\text{dB}$
Power requirements	100/120/220/230V AC $\pm 10\%$ , 50/60Hz, approx. 10W		
Dimensions	128(W) x 190(H) x 285(D) mm	128(W) x 190(H) x 239(D) mm	128(W) x 190(H) x 239(D) mm
Weight	Approx. 3.2 kg	Approx. 3.9 kg	Approx. 2.9 kg

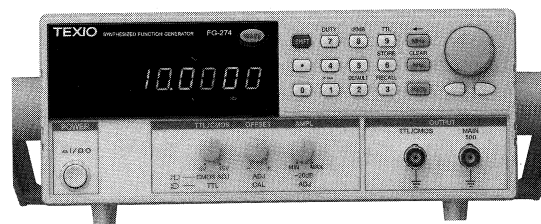


GP-IB STANDARD



## FG-281 Function Generator

- Generates Sine, Triangle, Square, Pulse, Ramp wave and DC.
- Wide band output from 0.01Hz to 15MHz (Sine, Square wave).
- $\pm 50\text{ppm}$  High Frequency Accuracy with Direct Digital Synthesizer.
- Amplitude and Frequency display with Vacuum Fluorescent Display.
- Ten-key setting for amplitude and frequency, and continuously switch waveforms.
- 0.1% step and 0 to 100% Duty control (Pulse and Ramp wave).
- $+10\text{V}$  to  $-10\text{V}$  Offset control (Open circuit).
- Linear and Log sweep functions, and Burst function.
- Full remote control with GP-IB and RS-232C as standard.
- 9-point Presetting function
- Pulse Motor Control function by factory option at shipment.



## FG-274 Function Generator

- Output Waveforms of Sine, Square, Triangle and Pulse.
- The design of DDS and FPGA technology provide high quality waveforms.
- High frequency stability and accuracy: 20ppm.
- Low Distortion at  $-55\text{dBc}$ .
- Wide output frequency range: 4MHz
- Digital operation user interface
- Maximum frequency resolution of full range: 100mHz.
- TTL/CMOS output
- Variable DC offset control
- Variable Duty ratio control
- Output overload protection
- Store/Recall function