



Durability Test System

SP-6013A



SIGNAL GENERATOR SP-6013A

General

Operating temperature

Power requirements

Dimensions

Weight

+ 5 to +45°C (+40 to +110 F), R.H.<90% non condensing

AC 100 ~ 240 V 50 /60 Hz Approx 10 W

440(W) * 50(H) * 310(D) mm

Approx 3 Kg

Specifications

USB host I/F

- Builds in the USB Full Speed(12Mbps) HOST Control function
- Supports the USB mass storage class

SD Card I/F

- Supports the SD Card Memory(inside)

Signal Output

- Balanced output Connectors (XLR)
 - Output Impedance : 50 Ω
 - 2Channel Output port
 - Max Output volts : 2V(Rms)
 - Flatness(1KHz ref)
- Fs = 20Hz to 20KHz \pm 0.5dB (at MP3 Format, Layer-3, 44.1KHz, 320Kbps)

Signal Input

- Calibration Signal Input
- Max input volts : 2V(Rms)

Display

- 2 ×16 character LCD Modul

Features

- It plays MP3, WMA and AAC files stored in a build-in SD card or a USB massstorage placed into the slot of the device.
- It has a function to automatically calibrate the output voltage and can also calibrate the music with irregular replay signals by measuring an average value of the entire music in the file.
- Speaker Power Monitor (SP-60110B)의 Aux-e와 연결하여 사용하면 교정된 전압으로 Speaker를 시험할 수 있습니다.
- It allows you to test speakers at the corrected voltage when using it connected to Aux-e of Speaker Power Monitor (SP-6010B).
- It can automatically recover the values preset and plays the sound source continuously when the power is returned after power failure or you turn it on as it backs up the selected sound source and the corrected output level.

FAT Analysis

- Supports FAT16 and FAT32
 - The playable file extension supports *.m4a, *.3gp, *.mp4 for AAC, *.wma, *.asf for WMA, *.mp3, *.mp2, *.mpl for MP3
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Note1

- It is recommended that you create a file name with 16 bytes or less including extension as it can display maximum 16 bytes even you can create a file name with 32 bytes or less.
 - Playable file size is up to 2Gbyte.
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Note2

- The files stored in a USB mass storage are automatically arranged in alphabetical order of ASCII code and displayed in the selection list.

Note: The files in the sub-folder will be displayed following the files in the main folder.

Note3

- It takes more time when you let automatically it find or manually search the file you want to play if you store too many files in the USB mass storage.

It is recommended that you keep the number of files stored in the USB mass storage 30 or less

MP3 Decoder

- Supports MPEG audio 1, 2 and 2.5.
- Supports Layer 1, 2 and 3.
- Supports sample rates 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k and 48kHz.
- Supports bit rate 8 to 320 kbps and VBR (Variable Bit Rate). *Except free format.
- Supports ID3TAG V1.0, V1.1, V2.2, V2.3 and V2.4.

WMA decoder

- supports Windows Media Audio 9 standard.
- Not supports DRM.

- Supports sample rates 8k, 16k, 32k, 11.025k, 22.05k, 44.1k and 48kHz.
- Supports bit rate 5 to 384 kbps and VBR (Variable Bit Rate).
- Supports WMA-TAG.

AAC Decoder

- Supports MPEG4 AAC-LC encoded by iTunes.
- Not supports DRM.
- Supports sample rates 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k and 48kHz.
- Supports bit rate 8 to 320 kbps and VBR (Variable Bit Rate).
- Supports AAC-TAG(iTunes Meta-data).
- The playable file extension supports *.m4a, .3gp and *.mp4.
- Based on 3 GPP TS 26.244.
- Supports file type of m4a, mp42 and 3gpX (numbers with arbitrary X).