

Durability Test System SIGMA SG-3000A



- **Introduction:**

This measurement equipment is used in testing the reliability of micro speaker. A built-in source noise signal is a digital one, with high repeat stability. The measuring voltage is set automatically. The measurement results are recorded a computer in real time. It guarantees easy analysis of speaker capacity, as all the measurement data (RMSV, CURRENT, W) are recorded in it. Connected to a large-output power amp, enables testing of a large-output speaker.

- **Special Feature:**

1. Speaker power monitor SP-6010 allows you to control all functions in the Window environment by connecting with a PC.
It also displays measurement results and saves the result as a file.
2. As the reference signals are used for setting voltage, it is very swift and accurate.
3. It has high expandability and stability as a compact flash memory card is adopted to store various signal sources.
4. The upper and lower limit in detecting current is automatically set in proportion to the voltage given once the percentage value is keyed in.
5. By increasing the voltage periodically until the speaker is destructed, you can test the max. voltage and record it.
6. All the measurement data are read by PC for back-up at every 10 seconds interval.
7. The data collected and recorded 2 minutes before occurrence of Fail/Stop/End has 1seconds collecting and recording interval.
8. If the power is reconnected after the power failure in the middle of measurement, the measurement continues the process from the moment of power failure.

- **Specification:**

1.Interface Bus

Interface Bus. (USB2.0)

2.Signal Source

Sine Wave = 1kHz (Reference)

Noise =White. Pink

Filter = Filter = JIS, DIN, IHF, EIAJ(SN-1), EIAJ(SN-2), EIA-426-B

Clipper ①Crest factor = 6dB(2:1)

②Crest factor = 10dB(3:1)

3.Speaker Max Input Durability Test Mode

Step ON/OFF=1Sec~99Hours.

Step Levels(Auto)= Start Level~Stop Level

Step Number=2~30Step

4.Multi-Channel Time Current Limit

Time ON/OFF=1Sec~10Hours.Duty

Setting Time=1Min~1000Hours

Setting Current=0.001A~20.00A

Setting Volts=0.01V~200V RMS

Max Power Test=3200W

5.Power Requirements

Line Voltage = 220V 50/60Hz

Power Consumption = 160W