DF1316-60 Audio Frequency Sweep Signal Generator

DF1316 series audio frequency sweep signal generator adopts the latest foreign electronic technology and novel voltage control RC oscillating circuit is a powerful instrument that can generate a pure sine wave signal. The output voltage and waveform of this series of instruments all frequencies are displayed with nixie tubes, and all working parameters are set with keys and potentiometers. With sweep range up to 1: More than 1000, high output power (up to 200W), low waveform distortion, etc. The power amplifier has power on delay output, over-temperature protection, short circuit protection, overload current limiting protection, excessive output amplitude protection, over-temperature display, and overload display.

This series of instruments is beautiful in appearance, compact in size, novel in structure, simple in operation, and extremely convenient in maintenance due to its modular design. It can be widely used in acoustics, vibration, and other aspects as a signal excitation source, especially suitable for the loudspeaker production lines as pure sound measurement

1.1 Frequency range: 20Hz~20KHz

1.2 Frequency display error: 1 × 10-5 ± 1 word

1.3 Indication error of output voltage: 1% (reading) ± 0.3% (full scale)

1.4 Sine wave output amplitude (see Table 1)

1.5 Sine wave frequency response: ± 0.4dB (based on 1KHz)

1.6 Sine wave distortion: ≤ 0.8% (8 Ω load)

1.7 Sweep mode: logarithmic

1.8 Sweep frequency ratio: ≥ 1:1000

1.9 Sweeping time: 0.5S~20S

1.10 Working voltage: AC 220V ± 5% 50Hz ± 2Hz

1.11 Working environment

1.11.1 Temperature: 0 ℃～ 40 ℃

1.11.2 Humidity: no more than 90% RH

1.12 Overall dimension: 320mm × 360mm × 100mm

1.13 Weight: about 5Kg

Technical specifications：

model	Power output voltage (Speaker: 8 Ω load)	Power output voltage (Speaker: 4 Ω load)	Power output voltage (Headset mode)	Impedance matching output power (8 Ω/4 Ω load)
DF1316-200	0～42Vrms	0～29Vrms	0～8Vrms	200W
DF1316-100	0～30Vrms	0～20Vrms	0～5Vrms	100W
DF1316-60	0～23Vrms	0～16Vrms	0～3Vrms	60W

Table 1