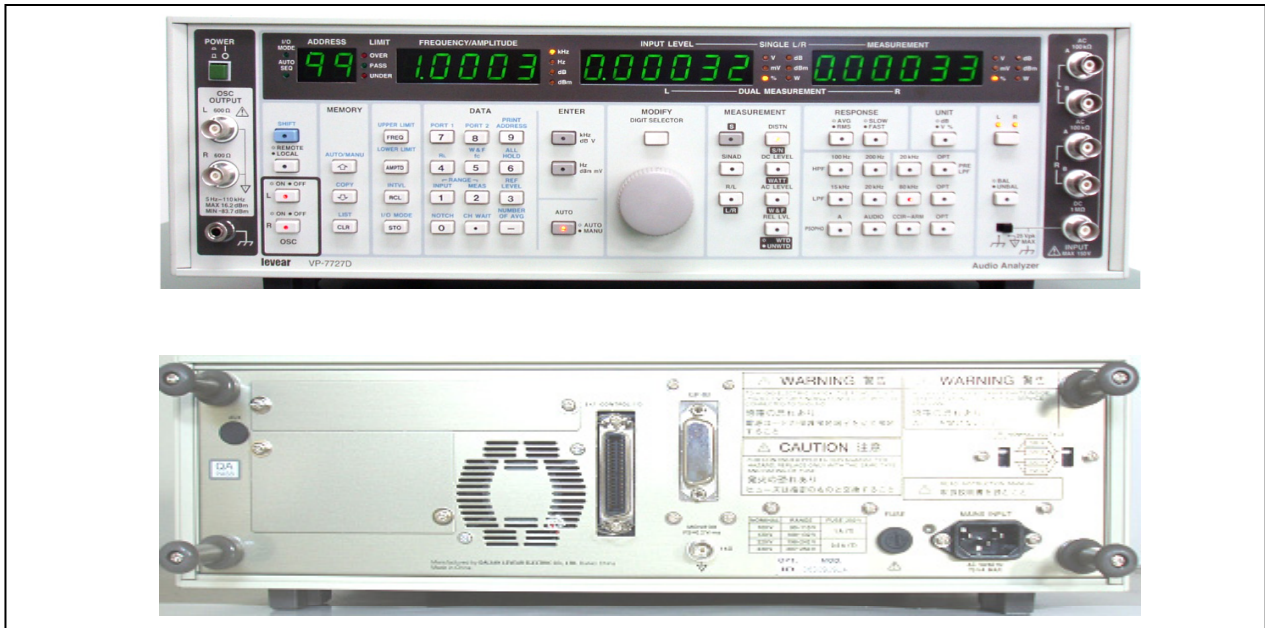


## オーディオアナライザ

## Audio Analyzer

Model VP-7727D  CE

< 2-channel Audio Analyzer >



### 特長

- ・アナライザ部及び信号源共 L, R の 2 チャンネル動作
- ・2 チャンネルの測定値は 6 桁で LED に同時表示
- ・レシオ測定は L, R 2 チャンネルで可能(R/L, L/R 表示)
- ・無線機の感度測定用に SINAD 測定機能を標準装備
- ・チャンネルウエイト時間、アベレージング回数は任意に設定可能
- ・一般基本性能は当社 VP-7723D と同等

### 概要 (基本性能)

- ・測定用信号源
 

周波数範囲	5 Hz ~ 110 kHz
出力範囲	14.0 dBV ~ -85.9 dBV
ひずみ率	≤ 0.001 % (-100 dB)
- ・測定機能部
 

測定機能	周波数、AC レベル、DC レベル、ひずみ率、SINAD、S/N、レシオ
残留ひずみ率	≤ 0.001 % (-100 dB)

### FEATURES

- ・L & R, 2-channel operation for both analyzer and signal source sections
- ・Simultaneous indication of dual six(6)-digit LED display for 2-channel measurement value
- ・Ratio measurement for L & R, 2-channel (R/L, L/R)
- ・SINAD measure function for sensitivity measurement of wireless unit
- ・Optional settings of channel wait time and averaging times
- ・General basic performance is equivalent to VP-7723D

### BASIC SPECIFICATIONS

- ・Signal Source
 

Frequency Range	5 Hz to 110 kHz
Output range	14.0 dBV to -85.9 dBV
Distortion	≤ 0.001 % (-100 dB)
- ・Measurement Function Section
 

Measurement Function	Frequency, AC level, DC level, Distortion, SINAD, S/N, Ratio
Residual Distortion	≤ 0.001 % (-100 dB)

## SIGNAL SOURCE

## OSCILLATOR

Frequency Range	5 Hz to 110 kHz 4 ranges
Accuracy	± 2 % of setting (0.201 to 20.09 kHz)
Output range	14.0 to -85.9 dBV (0 dB=1 V rms, load end) 16.2 to -83.7 dBm (0 dBm=1 mW 600 Ω)
Accuracy	± 0.5 dB of setting at 1 kHz (>37.1 dBV)
Flatness	± 0.05 dB (20.0 Hz to 20.09 kHz)
Noise level	Less than 10 μV rms (with output off)
Distortion	≤0.001 % (100dB) (20 Hz to 15 kHz) ≤0.01 % (80dB) (5 Hz to 110 kHz)
L,R output	L ch : ON / OFF , R ch : ON / OFF

## ANALYZER

## MEASUREMENT FUNCTIONS

Frequency, AC level (includes the relative level), DC level, S/N, RATIO, Distortion (THD+N), SINAD, Wow & Flutter (factory option)

## FREQUENCY MEASUREMENT

Range	5 Hz to 110 kHz
Display resolution	5 digits, 0.01 Hz <100 Hz
Accuracy	± 5 × 10 <sup>-5</sup> ± 1 digit
Measuring system	Reciprocal counter

## AC LEVEL MEASUREMENT

Full range display	0.316 0 mV to 100 V full range (7 ranges)
Accuracy	± 2 % of full range display (at 1 kHz)
Frequency range	± 5 % (20 Hz to 20 kHz) ± 10 % (5 Hz to 110 kHz)
Residual noise	<4 μV rms (with 80 kHz BW)
Relative noise	± 130 dB
Detection response	RMS or average response

## WATTAGE DISPLAY FUNCTION

Method	Calculated by AC level measurement and Load resistance. (Actual load is not equipped.)
Display resolution	Max.5 digits 0.01 W
RL setting range	2 to 5 000 Ω (1 Ω resolution)

## DC LEVEL MEASUREMENT

Range	100.0 V / 31.60 V / 3.160 V / 316.0 mV
Accuracy	± (0.3 % fs + 0.75 % reading)

## S/N MEASUREMENT

Input level range	30 μV to 100 V rms
Measurement range	0 to 130 dB
Accuracy	± 1 dB
Detection response	RMS or average response

## RATIO MEASUREMENT

Input level range	30 μV to 100 V rms (L and R)
Measurement range	0 to 130 dB
Accuracy	± 0.5 dB (1 kHz)
Frequency range	± 2 dB (5 Hz to 110 kHz)
Detection response	RMS or average response

## DISTORTION MEASUREMENT

Fundamental frequency range	5 Hz to 110 kHz
Measurement range	31.6 / 10.00 / 1.000 / 0.100 0 / 0.0100 0 %
Display units	Input level: mV·V / dB·dBm Distortion: % / dB
Detection response	Input level: RMS response Distortion: RMS or average response
Residual distortion	≤0.001 % (-100dB) (5 Hz to 15 kHz) ≤0.01 % (-80dB) (all ranges)
Second harmonic accuracy	± 1 dB (20 Hz to 20.09 kHz) ± 3 dB (all ranges)
Input level range	0.1 to 100V rms / 1 to 3.16 mV rms
Input level accuracy	± 2 % of full scale (1 kHz)

## SINAD MEASUREMENT

Fundamental frequency range	5 Hz to 110 kHz
Measurement range	10.0 / 20.0 / 40.0 / 60.0 / 80.0 dB
Display units	Input level: mV·V / dB·dBm SINAD: dB
Others	Same as distortion measurement

## COMMON FOR ALL MEASUREMENT

L,R input	L only / R only / L&R
Input impedance	AC: 100 kΩ, 250 pF or less DC: 1MΩ
Channel wait times	0.3 s to 9.9 s
Averaging times	0 / 2 / 4 / 8 / 16 / 32
Filters	HPF: 100 Hz / 200 Hz LPF: 15 kHz / 20 kHz / 80 kHz / PRE 20 kHz PSOPHO: A / CCIR ARM / AUDIO

## Other functions

Preset memory	Number of memory: 100
GB-IB interface	Listener and Talker operation
EXT control I/O	8 bit / port × 2 ports I/O setting is available by port

## POWER requirements

Voltage	AC 100 V / 120 V / 220 V / 230 V
Frequency	50 Hz or 60 Hz
Power consumption	Approx. 70 V·A
Dimension & Weight	(W) 426 × (H) 132 × (D) 400 mm 13 kg

●本カタログの掲載の仕様、デザイン等は性能改善のためやむなく変更させていただくことがあります。

Specifications are subject to change without notice for product improvement

●ご使用の際は、取扱説明書をよくお読みの上、正しくお使い下さい。