

高機能オーディオ信号測定器 AVR-3200

Spread type Audio Measure 高性能音频测量器



Rear panel



D W213×H85×D360 mm **W** 3.3 kg
※ 突起物、脚を除く

● World Power

● GP-IB

RS-232C

概要 Outline / 概要

AVR-3200はDCレベル測定、ACレベル測定、ひずみ率測定、周波数測定機能を備えたオーディオ信号計測器です。歪率測定は400Hz、1kHz標準ですが、最大4点まで追加(オプション)することが可能です。

AVR-3200 is the audio signal measuring instrument equipped with DC-levels measurement, AC level measurement, distortion measurement, and a frequency measurement function.

Although distortion measurement is standard 1 kHz /400 Hz, it is possible to add a maximum of four points (option).

AVR-3200是具备DC电平测量, AC电平测量, 失真率测量和频率测量功能的音频信号测量仪。失真测量为400Hz、1kHz的标准, 但是可以做到最大追加到4个(可选)

特長 Features / 特長

- 差動平衡入力2チャンネルまたは不平衡入力2チャンネル切替方式を採用
Two channel differential balanced inputs or two channel unbalanced input switch system is adopted.
采用差动平衡输入2通道或者不平衡输入2通道切换的方式
- 測定部にGNDフローティングモードを装備
A measurement block is equipped with a GND floating mode.
測量部位可以有接地浮动模式
- 各種フィルタをモジュール化し、容易に追加オプションに対応可能
Various filters are modularized and correspondence in an additional option is easily possible.
各种滤波器已经模块化, 可以轻松实现追加可选功能
- 省スペース化対応設計で小型・軽量化を実現
Small size and weight saving realization by space-saving design.
采用省空间设计, 实现了小型化和轻量化

AVR-3200 仕様 / Specification

測定機能 / Measurement functions

Frequency, AC level, DC level, Distortion (THD+N)

周波数測定 / Frequency measurement

Range	: 10Hz~110kHz
Resolution	: 0.01Hz at ≤ 99.99 Hz : 4-digit display at ≥ 100.0 Hz
Accuracy	: ± 100 ppm ± 1 digit
Input voltage range	: 25mV~31.6Vrms

ACレベル測定 / AC level measurement

Measurement channel	: 2ch (Switchable)
Input method	: Unbalance & balanced (selectable)
Separation for 2 channels	: ≥ 70 dB
Input impedance	: ≥ 100 k Ω
Range	: 0.0316mV(-90dBV)~31.6V(30dBV) : 6 ranges
Resolution	: 0.1% of full scale value
Accuracy	: ± 0.4 dB -70~30dBV at 1kHz
Frequency range	: 10Hz~110kHz
Flatness (1kHz ref.)	: ± 0.4 dB (100Hz~20kHz) : ± 0.8 dB (10Hz~110kHz)
Detection response	: RMS or average response

DCレベル測定 / DC level measurement

Measurement channel	: 1ch
Input impedance	: ≥ 1 M Ω
Range	: 0.00~ ± 40 V
Resolution	: 0.01V
Accuracy	: ± 50 mV

ひずみ率測定(THD+N) / Distortion measurement

Frequency range	: 400Hz/1kHz (AUTO)
Resolution	: 0.1% of full scale
Measurement range	: 7 Ranges 0.316% -10dBV 0.1% -20dBV 3.16% -30dBV 1.0% -40dBV 0.316% -50dBV 0.1% -60dBV 0.0316% -70dBV
Residual distortion (3.16Vrms)	: ≤ -100 dB (400Hz/1kHz) : ≤ -90 dB (100Hz, 2kHz, 10kHz)
Accuracy	: ± 1 dB (20Hz~20kHz)
2'nd harmonic accuracy	: ± 3 dB (10Hz~110kHz)

Input range	: 7 ranges
	31.6V 30dBV
	10.0V 20dBV
	3.16V 10dBV
	1.0V 0dBV
	0.316V -10dBV
	0.1V -20dBV
	0.0316V -30dBV

その他 / Others

Filter	HPF	: 200Hz: 18dB/oct
	LPF	: 20kHz, 30kHz: 18dB/oct
	Pre LPF	: 20kHz
	PSOPHO	: IEC-A : CCIR-ARM ITU-R 2kHz-weightin : DIN-AUDIO (Option)
Memory function		: 100 data

インタフェース / Interface

GP-IB	: IEEE488
RS-232C	: 38400bps

電源・使用環境 / Power requirements

Power requirements	: AC90V~250V 50/60Hz
Power consumption	: Approx. 30VA
Guarantee temperature	: 15°C~35°C

外形寸法・質量 / Dimension & Weight

Dimension	: W213×H85×D360(mm) *
Weight	: Approx. 3.3kg * Protruding parts not included.

オプションフィルタ / Optional filters

BEF	: 100Hz : 2kHz : 10kHz : 75kHz
Pre LPF	: 15kHz



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