

AUTOMATIC DISTORTION METER



GAD-201G

The GAD-201G distortion meter is aimed at total harmonic distortion (THD) and AC voltage measurement at audio frequency range, from 20 ~ 20kHz. Frequency and voltage are displayed simultaneously on dual meters, with measurement range automatically switching over full scale. The frequency keys cover 400Hz, 1kHz, and 10kHz for commonly used measurement frequencies. The output terminals can feed basic waveforms (X) and harmonic distortion (Y) to an external monitoring device. Residual distortion, including hum and noise, is kept to a minimum level of 0.03%, making the GAD-201G ideal for high-end audio applications.

FEATURES

- Automatic level & distortion measurements
- Auto or hold function can be selectable
- 0.1% ~ 100% in 7 distortion measuring ranges
- 20Hz ~ 20kHz in 3 continuous ranges
- 400Hz, 1kHz, 10kHz 3 spot Frequency
- 1mVrms ~ 300Vrms in 12 ACV Measuring ranges

GTL-103 Test Lead
Banana-Alligator Heads



SPECIFICATIONS	
DISTORTION MEASUREMENT	
Range	0.1% ~ 100% full scale in 7 ranges by auto ranging
Fundamental Frequency Range	20Hz ~ 20kHz in 3 continuous ranges with fine adjustment tuning and 3 spots for 400Hz, 1kHz and 10kHz only
Input Level	100mVrms ~ 300Vrms
Automatic Level Control Range	±10dB
Fundamental Rejection	80dB or above
Second Harmonic Accuracy	Within ±1dB at a basic frequency of 20Hz ~ 20kHz
Residual Distortion	(Including hum and noise) Less than 0.03%
AC VOLTAGE MEASUREMENT	
Range	1mVrms to 300Vrms full scale in 12 ranges by auto ranging
Frequency Response	20Hz ~ 200kHz ±1dB
Input Impedance	100k: ±10%, 70pF or less (Unbalanced)
Accuracy	Within ±3% of full scale (at 1kHz)
Residual Noise	Less than 10µV (input short circuited)
Output Level	X: 1Vrms, Y: 500mVrms at meter full scale
Output Impedance	Approx. 600
POWER SOURCE	
AC 100V/120V/220V/240V ±10%, 50/60Hz	
DIMENSIONS & WEIGHT	
310(W) x 165(H) x 300(D)mm, Approx. 4.6 kg	
ORDERING INFORMATION	
GAD-201G Automatic Distortion Meter	
ACCESSORIES: User manual x 1, Power cord x 1 Test lead GTL-103 x 1	

AC MILLIVOLT METER



GVT-427B (2CH)



GVT-417B (1CH)



FEATURES

- 300 µV Full scale sensitivity
- Measures frequency from 10Hz ~ 1MHz
- Measures from -70dB ~ +40dB in 12 ranges
- Dual Channel (GVT-427B)

GTL-101 Test Lead

BNC-Alligator Heads



The GVT-427B/417B Series is a compact analog AC millivoltmeter ideal for low level voltage measurements with a remarkable 300µV full scale sensitivity. The GVT-427 has dual independent channels that can be used simultaneously or separately for measurement. Voltage scale is separated into 12 ranges, easily accessible by the large rotary selector. The wide measurement range, frequency (10Hz ~ 1MHz) and voltage (-70dB ~ +40dB), provides ample headroom for most applications.

SPECIFICATIONS	
INPUT	
Voltage Range	300µV ~ 100V of Full Scale in 12 ranges
Decibel Range	-70dB ~ +40dB in 12 ranges
Accuracy	±3% of full scale
Operating Mode	Channel 1 and 2 separately or simultaneously at channel 1
Frequency Response	one channel only (GVT-417B) 20Hz ~ 200kHz ±3%, 10Hz ~ 1MHz ±10% (reference 1 kHz)
Impedance	1M, approx. 40pF
OUTPUT	
Level	Approx. 0.1Vrms at full scale
Distortion	Less than 2%
POWER SOURCE	
AC 115V/230V ±10%, 50/60Hz	
DIMENSIONS & WEIGHT	
130(W) x 210(H) x 295(D)mm, Approx. 2.8 kg	
ORDERING INFORMATION	
GVT-427B	2 Channels AC Millivolt Meter
GVT-417B	1 Channel AC Millivolt Meter
ACCESSORIES: User manual x 1, Power cord x 1 Test Lead GTL-101 x 2 for GVT-427B Test Lead GTL-101 x 1 for GVT-417B	
* GVT-427B Without CE Approved	