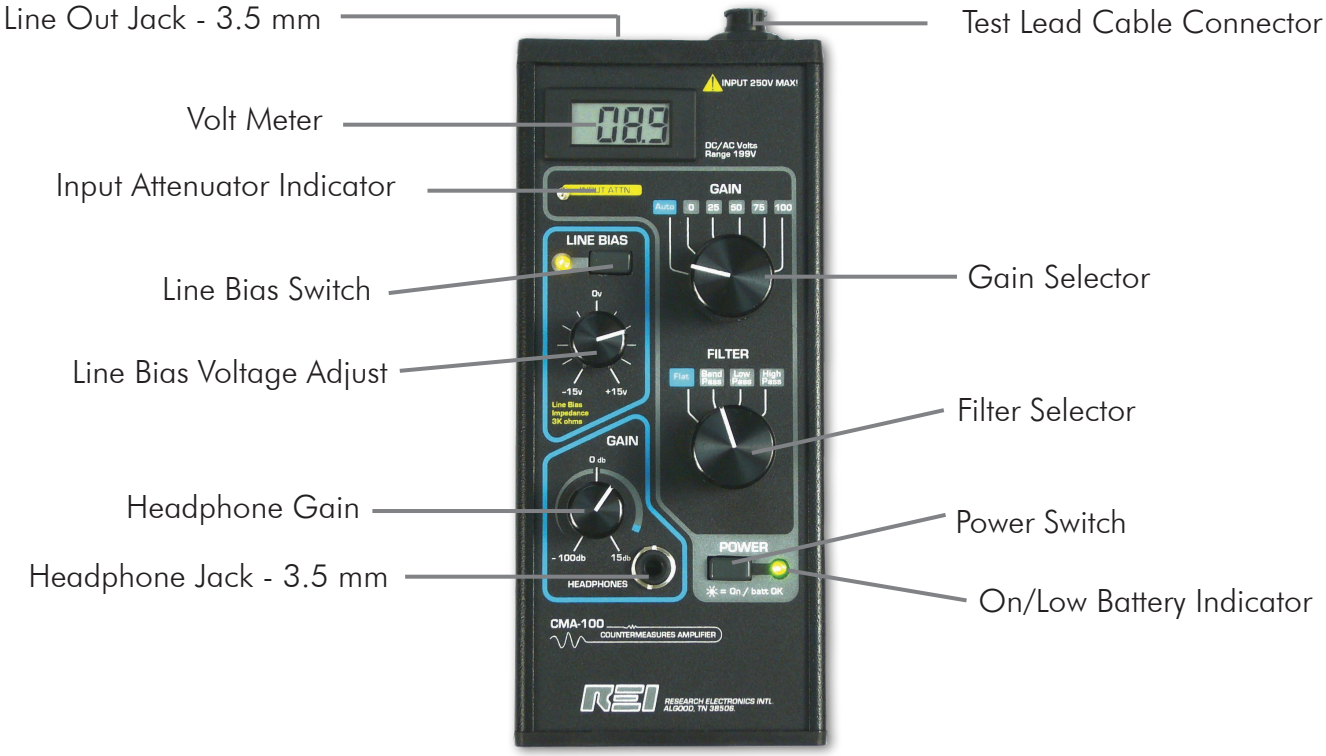
CMA-100

COUNTERMEASURES AMPLIFIER

High Gain Audio Amplifier to detect and identify surveillance devices connected to building wiring...

CMA-100 Features

- Multi-functional high gain amplifier with selectable audio filters.
- Balanced and Unbalanced high impedance input provides connectivity to suspect wiring.
- Bias voltage adjustable between -15V to +15V DC used to activate devices that are voltage or current sensitive.
- Built-in AC/DC digital voltmeter.
- Automatic Gain Control with 145dB dynamic range (can also be manually selected).



* Product specifications and descriptions subject to change without notice.

CMA-100 COUNTERMEASURES AMPLIFIER SPECIFICATIONS

INPUT IMPEDANCE

50K Ω balanced
Common Mode Rejection:
>75dB

Maximum Usable Input:
31V p-p

Preamp Auto Attenuator:
0 to -40dB
(with overload warning LED)

BIAS CONTROL

0 to +/-14.5VDC, 5mA max
(Over current protected, Input Impedance is reduced to 3.6K Ω when Bias is active)

MAXIMUM INPUT VOLTAGE

250 AC/DC
Leakage Resistance To Case:
> 10MΩ

AUTOMATIC GAIN CONTROL

Dynamic Range: 145dB

Manual Gain Control:
0, 25, 50, 75, 100dB

Headphone Gain Control:
0-15dB

Maximum System Gain:
115dB

DIGITAL VOLTMETER

3.5 digit, auto zero, auto polarity, +/-199.9V AC or DC

FREQUENCY RESPONSE

No Filtering:
25Hz - 44kHz

High Pass filter:
320Hz - 44kHz

Low Pass Filter:
25Hz - 3.2kHz

Band Pass Filter:
320Hz - 3.2kHz

POWER ON, LOW BATTERY LED

Battery: 9V alkaline (5-30 hours typical run time)

HEADPHONE OUTPUT

Line-Out Audio Output:
600Ω

MECHANICAL

Size: 7.3in x 2.75in x 1.75in
(185.4mm x 69.8mm x 44.5mm)

Weight: 12.1 oz (343 g)

ACOUSTIC LEAKAGE PROBE ALA-100 (*Optional*)

Evaluates structure bound acoustic leakage (walls, windows, etc.)

Frequency Response:
50Hz - 10kHz
(surface dependant)

Impedance: 47K Ohm

CMA-100
Professional High Gain Audio Amplifier

* The effectiveness of any surveillance countermeasure is dependent on the threat level and the user's ability to properly deploy the appropriate countermeasure. Product specifications and descriptions subject to change without notice.