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

## FREQUENCY RESPONSE
- **No Filtering:** 25Hz - 44kHz
- **High Pass filter:** 320Hz - 44kHz
- **Low Pass Filter:** 25Hz - 3.2kHz
- **Band Pass Filter:** 320Hz - 3.2kHz

## DIGITAL VOLTMETER
- **3.5 digit, auto zero, auto polarity, +/-199.9V AC or DC**

## 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

---

*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.*