

CV3-V

3 Channel IEPE Amplifier

The CV3-V is a 3-channel IEPE signal conditioning amplifier contained within a compact bench mount and portable DC powered unit.

Using front panel mounted BNC inputs and outputs it provides an easy set up solution, with individual gain selection via a three pole switch, which offers the user the option of x1, x10 or X100 gain individually selectable for each channel.

The unit is supplied with a DC power adaptor with multi region plug and can be used in a portable application via an external 9-30VDC supply.

Using an aluminium case and strong but lightweight aluminium end panels to protect the assembly the CV3 range offers a lightweight but rugged solution.



Specification	Metric	Imperial
Performance		
Channel Indicator	Green – OK Red – Short circuit Off – Open circuit	
Input Gain per channel	x1, x10 and x100	
Channels	3	
Max Output per channel	±10VAC	
Floating/Ground	User selectable switch on rear panel	
Connections		
Inputs	3 x BNC jacks	
Outputs	3 x BNC jacks	
Environmental		
Operating Temp.	0 to +45°C	32 to 113°F
Power		
Input Connector	2.1mm DC Socket	
Input	9 – 30 VDC (nom.18VDC)	
Status	Green LED Power Indicator on Front Panel	
Max Power Rating	5W	
IEPE Supply	24VDC/4mA	
Physical		
Weight	0.59kg	1.3lbs
Size	H 124mm, W 46mm, D 195mm	H 4.88in, W 1.81in, D 7.67in

Gain	Bandwidth
x 1	500kHz
x 10	500kHz
x 100	100kHz

Features

- 3 Channel IEPE supply
- OK/Short Circuit/open circuit warning Indicator.
- Gain of x1, x10 and x100 individual channel selectable.
- Front panel BNC input/output connectors.
- DC powered
- Portable and Lab use

Electrical Noise – IEPE Mode

Broadband Electrical Noise (1 to 10,000Hz) (Gain x1)	50.2 μ Vrms
Broadband Electrical Noise (1 to 10,000Hz) (Gain x10)	81.4 μ Vrms
Broadband Electrical Noise (1 to 10,000Hz) (Gain x100)	512 μ Vrms

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