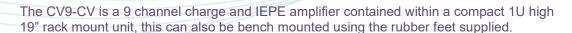


## CV9-CV

## 9 Channel Charge/IEPE Amplifier



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, making is extremely flexible when used with mixed accelerometer outputs.

 Gain
 Bandwidth

 x 1
 500kHz

 x 10
 500kHz

 x 100
 100kHz

The CV9-CV offers the ultimate in flexibility and allows a mix of IEPE and Charge accelerometers to be used at the same time due to individual channel selection for suitable signal conditioning and amplification.

Features

## Front Connections Rear Connections

Specification	Metric	Imperial
	Performance	
Indicators	Short circuit/open circuit Warning LED	
IEPE/Charge Selection	Individual channel selection	
Input Gain per channel	x1, x10 and x100	
Channels	9	
Max Output per channel	±10VAC	
	Connections	
Inputs	9 x BNC jacks	
Outputs	9 x BNC jacks	
	Environmental	
Operating Temp.	0 to +45°C	32 to 113°F
	Power	
Input Connector	IEC 320	
Input	105 – 240 VAC	
Status	LED Power Indicator on Front Panel	
Max Power Rating	5W	
Fuse rating	1A slow blow	
	Physical	
Weight	2.75kg	6.06lbs
Size	H 44.5mm, W 482.6mm,	H 1.75in, W 19in

D 348mm

## IEPE/Charge Individual channel selection Short Circuit/open circuit warning Indicator.

- Gain of x1, x10 and x100 individual channel selectable.
- Front panel BNC input/output connectors.
- 19" Rack Mountable Enclosure

Electrical Performance		
Broadband Electrical Noise (1 to 10,000Hz) (Gain x1)	11.2 μV rms	
Spectral Noise (1 Hz)	1.34 μV/√Hz	
Spectral Noise (10 Hz)	0.20 μV/√Hz	
Spectral Noise (100 Hz)	0.12 μV/√Hz	
Spectral Noise (1 kHz)	0.12 μV/√Hz	
Spectral Noise (10 kHz)	0.10 μV/√Hz	
Broadband Electrical Noise (1 to 10,000Hz) (Gain x10)	21 μV rms	
Spectral Noise (1 Hz)	5.10 μV/√Hz	
Spectral Noise (10 Hz)	0.60 μV/√Hz	
Spectral Noise (100 Hz)	0.22 μV/√Hz	
Spectral Noise (1 kHz)	0.22 μV/√Hz	
Spectral Noise (10 kHz)	0.19 μV/√Hz	
Broadband Electrical Noise (1 to 10,000Hz) (Gain x100)	165 μV rms	
Spectral Noise (1 Hz)	57 μV/√Hz	
Spectral Noise (10 Hz)	5.20 μV/√Hz	
Spectral Noise (100 Hz)	1.70 μV/√Hz	
Spectral Noise (1 kHz)	1.80 μV/√Hz	
Spectral Noise (10 kHz)	1.40 µV/√Hz	

DJB lss.5.2020

**DJB Instruments (UK) Ltd** Finchley Avenue,

Mildenhall, Suffolk IP28 7BG

Tel Email Web

+44 (0)1638 712 288

il sales@djbinstruments.com

www.djbinstruments.com

D 13.7in



