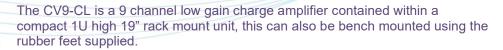


# CV9-CL

# 9 Channel Charge 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 x0.1, x1 or X10 gain individually selectable for each channel, making is extremely flexible when used with mixed accelerometer outputs.

With a low noise floor the CV9-CL is a great all round low cost per channel solution

Gain	Bandwidth		
x 0.1	500kHz		
x 1	500kHz		
x 10	100kHz		

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## **Front Connections**

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#### **Rear Connections**



### **Features**

- Short Circuit/open circuit warning Indicator.
- Switchable Gain of x0.1, x1 and x10 for Charge inputs, individual channel selectable.
- Front panel BNC input/output connectors.
- 19" Rack Mountable Enclosure

	Specification	Metric	Imperial		
		Performance			
4	Indicators	Short circuit/open circuit Warning LED			
	Input Gain per channel	ut Gain per channel X0.1, x1 and x10			
	Channels	9			
	Max Output per channel	flax Output per channel ±10VAC			
	Connections				
	Inputs 9 x BNC jacks				
	Outputs 9 x BNC jacks				
	Environmental				
WW.	Operating Temp.	0 to +45°C	32 to 113°F		
-		Power			
	Input Connector	IEC 32	20		
	Input	out 105 – 240 VAC			
	Status	LED Power Indicator on Front Panel			
	Max Power Rating	er Rating 5W			
	Fuse rating 1A slow blow		blow		
	Physical				
	Weight	2.75kg	6.06lbs		
	Size	H 44.5mm, W 482.6mm, D 348mm	H 1.75in, W 19in D 13.7in		

Electrical Performance		
Broadband Electrical Noise (1 to 10,000Hz) (Gain x0.1)	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 x1)	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 x10)	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	

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