9X-CI

9 Channel IEPE/Charge amplifier
X1,x10,x100 gain

- Compact & Lightweight chassis
- IEPE/Charge amplifier, channel selectable
- Individual channel gain selection x1, x10, x100
- Power on indication
- Signal level indicator per channel
- ±10VAC output
- DC powered, Mains adaptor supplied
- Huge flexibility in a low cost per channel unit.

The 9X-CI is a 9 channel IEPE and charge signal conditioning unit, housed in a compact and rugged 1U high 19" rack mount chassis. Featuring DC power input it can be used via the supplied mains DC adaptor or via a field based DC supply such as battery.

Each channel can be independently switched to be IEPE or Charge signal conditioning. In addition each channel has independent gain control x1, x10, x100. Signal input and output connections are via front panel BNC jack connectors, making connection quick and simple. An earth/floating switch is also included on the rear panel

A signal level indicator is also provided for each channel via a multi coloured LED when in IEPE mode

- Green – OK
- Red – Short circuit
- Off – Open circuit

Gain setting	Input/Charge	Input/IEPE	Output
X1	1pC	1mV	1mV
X10	1pC	1mV	10mV
X100	1pC	1mV	100mV

Specification		
Channels	9	
Power Input	9 – 30 Volts DC, 5 Watt. (nominal 18VDC)	
Power connection	2.1mm DC Socket	
Signal Connections	BNC Jacks - Input and Outputs on front panel	
Indicators - Power	External LED indicator shows correct power to unit	
Indicators - Signal	Multi coloured LED per channel, **Green** – OK/**Red** – Short Circuit/**OFF** – Open Circuit	
Floating or Ground	Selectable via rear panel switch	
IEPE power (only in IEPE mode)	24VDC, 4mA	
Signal level output	+/- 10 VAC pk-pk	
Dimensions	390 x 482 x 44 mm	
Weight	2.7kg	
Operating Temp.	0 to 45 ºC, non-condensing.	
Broadband Electrical Noise	(1 to 10,000Hz) (Gain x1)	48.1 µVrms
	(1 to 10,000Hz) (Gain x10)	79.7 µVrms
	(1 to 10,000Hz) (Gain x100)	498 µVrms
Bandwidth	Gain x1	500kHz
Bandwidth	Gain x10	500kHz
Bandwidth	Gain x100	100kHz

Due to continued product development Kemo Limited reserve the right to change specification without notice.