

- Compact & Lightweight chassis
- IEPE amplifier via BNC Input/Output connectors
- Individual channel gain selection x1, x10, x100
- Power on indication
- Signal level indicator per channel
- ±10VAC output
- DC powered, Mains adaptor supplied



The 3X-I is a 3 channel IEPE signal conditioning unit, housed in a compact and rugged 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 has independent gain control x1, x10, x100 and inputs and output connections are via front panel BNC connectors, making connection quick and simple. An earth/floating switch is mounted on the rear panel.

A signal level indicator is also provided for each channel via a multi coloured LED:

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

Gain setting	Input	Output
X1	1mV	1mV
X10	1mV	10mV
X100	1mV	100mV

Specification		
<b>Channels</b>	3	
<b>Power Input</b>	9 – 30 Volts DC, 5 Watt. (nominal 18VDC)	
<b>Power connection</b>	2.1mm DC Socket	
<b>Signal Connections</b>	BNC Jacks - Input and Outputs on front panel	
<b>Indicators - Power</b>	External LED indicator shows correct power to unit	
<b>Indicators - Signal</b>	Multi coloured LED per channel, <b>Green</b> – OK/ <b>Red</b> – Short Circuit/ <b>OFF</b> – Open Circuit	
<b>Floating or Ground</b>	Selectable via rear panel switch	
<b>IEPE power</b>	24VDC, 4mA	
<b>Signal level output</b>	+/- 10 VAC pk-pk	
<b>Dimensions</b>	Height - 123mm, Width 45mm, Depth 196mm	
<b>Weight</b>	570grams	
<b>Operating Temp.</b>	0 to 45 °C, non-condensing.	
<b>Broadband Electrical Noise</b>	(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
<b>Bandwidth</b>	Gain x1	500kHz
<b>Bandwidth</b>	Gain x10	500kHz
<b>Bandwidth</b>	Gain x100	100kHz

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

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