



TECHNICAL DATA SHEET

LINE ISOLATING UNIT

49-241 CANFORD LINE ISOLATING UNIT, SINGLE CHANNEL, 10K OHMS

49-242 CANFORD LINE ISOLATING UNIT, TWIN CHANNEL, 10K OHMS

49-243 CANFORD LINE ISOLATING UNIT, SINGLE CHANNEL, 600 OHMS

DESCRIPTION

These units are designed to isolate line level signals where there may be issues with the commoning of earths or where complete isolation is desirable. Providing isolation between input and output, these units are available in single or twin-channel versions. Each channel has a transformer and an 'earth-lift' switch. They are housed in a tough, black-anodised, extruded box, with ABS bezels.

MODELS

Two types are offered, 10K ohms for high impedance circuits or 600 ohms for low impedance. The high impedance version may also be used with a low impedance source and a high-impedance, bridging, load.

CONNECTIONS

The individual, isolated audio circuits each have XLR connectors for input and output, one female, one male, and an earth-lift switch located on one face.

These units are symmetrical so can be used in either direction, even though the connectors are labeled input and output.

TECHNICAL SPECIFICATION

HIGH IMPEDANCE MODELS - 10k ohms: 10k ohms

Frequency response:		+/- 1dB 30Hz-20KHz, 10K ohms source, 10K ohms load
	Better than	+/- 0.5dB, 60Hz – 15KHz
		+/- 1.0dB, 40Hz – 20KHz.
		Low impedance source, 10K ohms load
Distortion:	Better than	0.015%, 1%, 1KHz / 30Hz, +22dBu
Insertion loss:	Less than	1.0dB, 10K ohms source and load

LOW IMPEDANCE MODEL - 600 ohms: 600 ohms

Frequency response:	Better than	+/- 0.3dB 20Hz-20KHz, 1 kHz, 600 ohms source, 600 ohms load
Distortion:	Better than	0.015%, 1KHz, +22dBu 1%, 30Hz, +19dBu
Insertion loss:		0.7dB, 600 ohms source and load 1.3dB, 600 ohms source, 300 ohms load
Dimensions:		107 x 93 x 50 (l x w x h) mm.
Weight:		490g