



OxBox Inline Isolatz-HD, HD-SDI DC Ground Isolator – 4000 Volt



Key Features

- Passive HD-SDI Hum isolator
- Supports all data rates up to 1.485 GHz
- Non inverting
- Electrical grounding up to 4000 volts
- Connectors on one side
- Requires NO power supply
- Suitable for ASI SDI & HD/SDI format – no distortion of full bandwidth signal
- Small and lightweight

Mains hum in SDI is well below the signal frequency spectrum and unlike analogue video, the SDI signal is not sensitive to near-DC attenuation. However, the problems of signal distortion and operator shocks caused by a voltage difference between two pieces of equipment connected by a HD/SDI signal feed still exist.

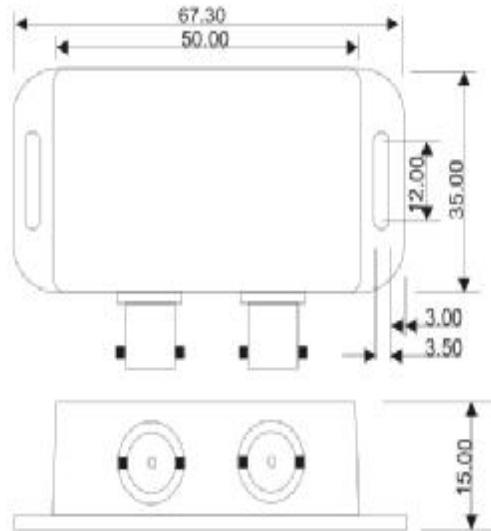
The OxBox Inline Isolatz is a simple, compact, passive low cost hum isolator. Its design is based upon a high quality broadband high pass filter which provides DC electrical isolation for up to 4000 volts between two pieces of equipment with differing ground potentials. It is transparent to the signal and allows the bandwidth of the signal, up to HD-SDI, to transparently pass through unchanged.

This device is suitable for ASI, SDI and HD/SDI format signals up to 1.485 Ghz since it is non-inverting.

To achieve the specified performance the input signal should be to necessary SMPT or EBU specifications and have a impedance of 75 ohms. Both outputs must be terminated with 75 ohms and therefore, if an output cable is not present, an appropriate performance (HDTV/SDI) 75 ohm termination should be used.

Isolatz, or OxBox Inline Isolatz-HD, is part of a wide range of high quality, reliable digital video distribution, isolation and conversion products. Please visit www.oxygendct.com for latest details, where online pricing and ordering is available, 24/7, 365 days per year. For technical support or any further questions please contact us using the details below.

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Specifications

SDI Input/outputs	
Impedance	75Ω BNC
Bandwidth	<0.5 Mhz to >1485 MHz
Return loss	>20dB,
Amplitude roll off	<1.0dB <0.5 Mhz to 1485 MHz
DC Breakdown Voltage	>4000 volts
Connector s	BNC Female
Mechanical	
Material	Rugged ABS box with mounting flanges (except for metal BNC connectors)
Temperature range	0°C to 60°C
Dimensions	68mm x 35mm x 20mm (excluding connectors)
Weight	
Formats Supported	
HD	1080p 30, 1080p 25, 1080i 60, 1080sF 25, 1080sF 24, 1035i 60, 720p 60, 720p 50
SD	625 60, 625 60

Ordering Information

OxBox Inline Isolatz-HD, Multi-rate SDI DC Ground Isolator 4000 volts