



OxBox GI02, Inline HDTV Serial Digital Ground Isolator



These simple high quality, low cost devices have been designed to provide signal isolation, eliminating ground loop effects, for example, often associated with fixed and temporary installations. There are two versions, each specifically frequency matched for SDI and HDTV signals parameters.

The GI02 is a wideband isolation transformer which can isolate video signals from hum effects. The design of this device is specific for a high frequency (HDTV) 1.485Gb/s signals with a high bandwidth transformer eliminating hum effects. The signal is attenuated by less than 3dB and by nature it does not pass any DC level through and therefore should not be used for any system that relies on the video having any particular DC reference. The result of the 3dB attenuation means that the restoration of the output signal will be in the region of a maximum 70 meters cable length, dependant upon cable type used. Where a longer cable run is required, with isolation, we suggest using fiber optic devices such as the OxBox Micro 1320 Series products, details of which can be found very easily by entering '1320' on the search field at www.oxygendct.com. The GI02 is widely used by broadcasters around the world.

Key Features

- In line cable isolator for HDTV
- Excellent ground loop rejection
- Eliminates induced hum
- Fast and simple to install
- Suitable for fixed and temporary circuits
- Manufactured from aluminium extrusion for robustness and reliability.
- Recommended for all fixed and mobile installation

Specifications

General	
Video	SMPTE 292M 1,485 Gbit/s
Return Loss	> 15dB up to 740 MHz
Impedance	75 Ohm
Frequency range	30-1800 MHz
Insertion loss/Attenuation	< 1,4 dB at 740 MHz < 3 dB at 1480 MHz
Physical	
Weight	200g
Dimensions	40x25x25mm

Ordering Information

OxBox GI02, inline HDTV Serial Digital Ground Isolator
 OxBox GI01, inline SDI Serial Digital Ground Isolator
 OxBox GI04-AV, Composite Video Ground Isolator

The above information is subject to continual change due to product development.
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