

USB Isolator
Part no. USB-ISO101



If you need to isolate your USB device from your computer this USB Isolator is an effective and easy solution to ensure total isolation between your USB devices and your computer. This USB isolator separates both the data lines and power supply from your computer, fully protecting your USB devices and data signals against electrical noise, high voltage spikes, surges and ground loops for up to 3000V, which otherwise easily could damage your equipment.

Isolation is achieved by the ADUM4160 from Analog Devices, which efficiently protects your equipment against all types of high voltage spikes, surges and static electricity. The ADUM4160 makes this USB isolator compatible with both low speed (1.5M) and high speed (12M).

SPECIFICATIONS	
Model number	USB-ISO101
Operating system	No drivers needed. Transparent to operating system.
DC-DC isolator	Yuan Dean Scientific 12D-05S05N
USB isolator	ADUM4160
Power	5V provided by USB port (isolated) Option for external power supply (not isolated)
USB output Current	Up to 400mA by USB port power, higher with external power supply
USB	Compliant with USB 1.1 (1.5Mbps) / USB 2.0 (12Mbps)
Interfaces	Host: USB Type A male Device: USB Type A female
Isolation voltage	3000V
Isolation signal lines	5000V DC
ESD protection	15 kV
Operating Temp.	-0 to 50C
Dimensions	66 x 39 x 20 mm
Cable length	15cm
Indication lights	Power
Warranty	1 year limited warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

To access technical support, please visit the U.S. Converters website at:
www.USconverters.com
Here you will find:

- Latest drivers and updates for download
- Technical tips
- Documentation
- Configuration support
- and much more...

Feel free to contact our technical support team at mail@usconverters.com with any issues.

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Overall features

- Fully isolated USB isolator
- Powered by USB port
- 3000V isolation
- Low speed and High speed supported
- Data and power wires fully isolated from host
- External power can be added if required

ISOLATION NOTICE: the power lines are only isolated from the device when power is provided from a USB port. When powering the isolator by an external power source the power lines are NOT isolated.

