

# USB Isolator

USB Isolator protects PC or Laptop while connecting USB peripherals which is wired to high voltage. This small, industrial - grade isolator is very easy to use and provides a high-voltage barrier protection against surges, noise and ground loop errors. It is suitable for use in sensitive applications like automotive measurements.

USB isolator provides a high - voltage isolation barrier between computer and it's connected USB device. The isolation protects equipment from electrical over-voltages and transient voltage spikes, by eliminating ground loop currents flowing between the PC and USB device which can cause damage and inaccurate measurements. Additionally, isolation minimizes conducted noise from static discharge, magnetic fields and radio frequency interference.

USB isolator is USB bus powered and can provide 5V 300mA to your USB device with built-in isolated DC-DC converter. This is possible only when the isolator is connected to a high power USB host port.

## Features

- USB isolation 5000V DC between USB host and USB device
- USB 2.0 compatible, 1.5Mbps low speed and 12Mbps full speed Bi-directional communication.
- Short circuit protected for x D+ and x D- lines.
- Isolated power supply in device through a DC-to-DC converter
- Class 3A contact ESD performance per ANSI / ESD STM5.1-2007
- High common-mode transient immunity :>25 kV/us
- Supports Windows 98SE / ME / 2000 / XP / Vista / 7 / 8 / 8.1 / 10, Mac OS 8.6 or higher; no driver installation required

Model No.	USB-ISO101	
Isolation	D+ & D-	5000V DC
	Power	3000V DC
Transfer Rate	1.5 / 12 Mbps	
Connector	Host	USB Type A Male
	Device	USB Type A Female
Cable Length	0.15 m	
Operating Temperature	0°C to 50°C	
LED	1	
Downstream Power	Up to 300mA	
Power Mode	Bus powered	
Housing	Plastic	
Dimension ( L x W x H )	66 x 39 x 20 mm	

