

# Declaration of Conformity

According to ISO/IEC Guide 22 and EN 45014 Part #: 123-0740 Rev 1-97

**Manufacturer's Name:** IOtech, Inc.  
**Manufacturer's Address:** 25971 Cannon Road  
Cleveland, Ohio 44146  
USA


**Declares that the product:**

**Product Name:** Isolator488  
**Description:** IEEE 488.2 Bus Isolator

**Conforms (under conditions on reverse side) to the following standards:**

**Safety:** EN 61010-1 1993  
**EMC:** CISPR22:1985  
EN 55022: 1988 class A  
IEC 801-2: 1984/prEN50082-1:1992±2kV AD, criterion A  
IEC 801-3: 1984/prEN50082-1:1992-3V/m, criterion A  
IEC 801-4: 1988/prEN50082-1:1992±0.25kV signal ±0.5 kV line, criterion A

**Place:** Cleveland, Ohio USA  
**Date:** 1/1997

**Signature:**   
**Full Name:** Paul Wittibschlager  
**Position:** Director of Hardware Engineering

**European Contact:** \_\_\_\_\_  
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## CE Compliant Operating Conditions

**Product Name:** Isolator488  
**Description:** IEEE 488.2 Bus Isolator

To maintain safety, emission, and immunity standards of this declaration, the following conditions must be met.

- \* IEEE cables must have a braided shield connected circumferentially to their connectors' metal shells.
- \* All cable screw locks must be tightened at both ends of the cable.
- \* The host computer must be properly grounded.
- \* Some inaccuracy is to be expected when I/O leads are exposed to RF fields or transients.



The operator must observe all safety cautions and operating conditions specified in the documentation for all hardware used.



The host computer, peripheral equipment, power sources, and expansion hardware must be CE compliant.



All power must be off to the Isolator488 and externally connected equipment before internal access to the Isolator488 is permitted.



Overvoltage Category I for signal inputs. Overvoltage Category II for AC main. Isolation: 600 V maximum overvoltage Category I between IEEE488 common on Controller Bus to common on Instrument Bus or Earth (cables and connectors must be properly insulated).



Protective conductor terminal on AC line connector must be connected to an external protective earthing system.



**WARNING.** Noted conditions pertain to potential safety hazards. When you see this symbol on the product or in the documentation, carefully read the related information and be alert to the possibility of personal injury.



**WARNING.** High voltage (up to 600 V) can exist between connectors and case or controller and instrument cable shells. It is the user's responsibility to prepare a special IEEE cable. The cable, connector shell, and anchor screws must all be insulated to a rating exceeding the common mode voltage between the INSTRUMENTS and CONTROLLER terminals. If standard cables are used, the common mode voltage cannot exceed 30 Vrms or 60 VDC. Connect all cables before system power-up (including Isolator488 and all devices connected to the controller terminal and instruments terminal). To prevent serious shock, use caution when connecting or disconnecting cables and ensure all connected devices are powered off!