

# Declaration of Conformity

Part #: 1140-0740 Rev 07-09


**Manufacturer's Name:** IOtech  
**Manufacturer's Address:** 25971 Cannon Road  
Cleveland, Ohio 44146 U.S.A.

**Declares that the product:**  
**Product Name:** DBK48  
**Description:** 16 Channel Signal Conditioning Module

*Conforms to the following standards:*

<b>Safety</b>	Low-Voltage Directive 2006/95/EC, EN 61010-1; 2001
<b>EMC</b>	EMC Directive 2004/108/EC as defined by Standard: EN 61326-1:2006 (IEC 61326-1:2005)
<b>CISPR 22:1993</b>	Radio Disturbance
<b>EN 55022:1998</b>	Conducted and Radiated Emissions
<b>IEC 61000-4-2:1995</b>	Electrostatic Discharge Immunity
<b>IEC 61000-4-3:2002</b>	Radiated Electromagnetic Field Immunity
<b>IEC 61000-4-4:2004</b>	Electric Fast Transient Burst Immunity
<b>IEC 61000-4-5:2001</b>	Surge Immunity
<b>IEC 61000-4-6:1996</b>	Conducted Disturbance Immunity
<b>IEC 61000-4-11:1994</b>	Voltage Dips, Interruption Immunity

**EMC Testing:** Chomerics Test Services, Woburn, Mass. 01801, U.S.A.  
**Date:** February 24, 2009  
**Test Report #:** EMI5269.09  
**Date Issued:** July 16, 2009  
IOtech  
25971 Cannon Road  
Cleveland, OH. 44146 U.S.A .

**Signature:**   
**Full Name:** Carl Haapaoja  
**Position:** Director of Quality Assurance

## CE Compliant Operating Conditions

**Product Name:** DBK48  
**Description:** 16 Channel Signal Conditioning Module



**WARNINGS and CAUTIONS.** When you see any of these symbols on the product or in the documentation, carefully read the related information and be alert to the possibility of personal injury and/or equipment damage.



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

- \* The host computer, peripheral equipment, power sources, and expansion hardware must be CE compliant.
- \* Equipment must be operated in a controlled electromagnetic environment as defined by British Standard EN 61326-1:2006 (IEC 61326-1:2005)
- \* Shielded wires must be used for all I/Os and must be less than 3 meters (9.75 feet) in length.
- \* Use a grounded wrist strap when installing or removing 8B modules.
- \* Use a grounded wrist strap when making connections to the Signal Output connector.
- \* The host computer must be properly grounded.
- \* The DBK48 must be connected to the acquisition device via a CA-255-xT cable or a CA-143-x cable.
- \* DBK48 is not for use with signal levels exceeding  $\pm 10$  V<sub>peak</sub> to earth ground.
- \* A PVC dust cap (IOtech p/n CN-235) must be placed on the Signal Output connector when the connector is not in use.



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

**Note:** Data acquisition equipment may exhibit noise or increased offsets when exposed to high RF fields ( $>1$  V/m) or transients.

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