

# Declaration of Conformity

According to ISO/IEC Guide 22 and EN 45014 Part #: 1123-0740 Rev 04-04

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


*Declares that the product:*

**Product Name:** DBK55  
**Description:** 8-Channel Frequency-to-Voltage Input 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:** DBK55  
**Description:** 8-Channel Frequency-to-Voltage Input 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 the safety, emission, and immunity standards of this declaration, the following conditions must be met.

- \* In the presence of 3 V/m RF fields:
  - 500 mVpp signals are required to maintain 0.1% accuracy.
  - Metal shells of the BNC connectors must be directly connected to the chassis ground in order to maintain 100 mV sensitivity and 0.1% accuracy.
- \* PVC dust cap (IOtech part # CN-96) must be placed on each unused BNC connector.
- \* The DBK55 must be connected to the acquisition device via a CA-143-x cable or a CA-255-xT cable.
- \* The host computer must be properly grounded.
- \* 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)
- \* All power must be off to the DBK55 and externally connected equipment before internal access to the DBK55 is permitted.
- \* The DBK55 is not for use with signal levels exceeding  $\pm 30$  Vrms (84 Vp-p).
- \* The DBK55's maximum digital input voltage is  $\pm 15$  Vpeak to earth ground.
- \* Signal wires must not exceed 3 meters (9.75 feet) in length.
-  The operator must observe all safety cautions and operating conditions specified in the documentation for all hardware used.

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