

# Declaration of Conformity

Part #: 1083-0742 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:** DBK84 and DBK90  
**Description:** Thermocouple Modules

*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</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 61000-4-6:1996</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 17, 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:** DBK84 and DBK90  
**Description:** Thermocouple Modules



**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.

- \* 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)
- \* The host computer must be properly grounded.
- \* A 37-pin shielded cable (IOtech part # CA-255-xT, CA-143-7 or CA-143-18) must be used to connect the DBK84 or DBK90 to a CE compliant device, e.g., DaqBook or DaqBoard.
- \* All cable screw locks must be tightened at both ends of the cable.
- \* Thermocouple connectors should be wired such that insulation covers the TC wire all the way up to the fastening screw. This will prevent ESD from reaching the thermocouple input. Thermocouple wires should not exceed 3 meters (9.75 feet).



The user must observe all Warnings, Cautions, and operating conditions as specified in the associated user documentation.



Power must be off and disconnected from the DBK84, DBK90 and all externally connected equipment before accessing the module.



DBK84 and DBK90 modules are not for use with signal levels exceeding  $\pm 10$  V<sub>peak</sub> to earth ground.

**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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