

Declaration of Conformity

Part #: 280-0740 Rev 07-09


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

Declares that the product:
Product Name: DBK44
Description: 2-Channel Multi-Purpose Isolated
Signal-Conditioning Card

Conforms to the following standards:


Safety	Low-Voltage Directive 2006/95/EC, EN 61010-1; 2001
EMC	EMC Directive 2004/108/EC as defined by Standard: EN 61326-1:2006 (IEC 61326-1:2005)
CISPR 22:1993	Radio Disturbance
EN 55022:1998	Conducted and Radiated Emissions
EN 50082-1:1994	IEC 801-2:1991 – Electrostatic Discharge Immunity
IEC 61000-4-3:2002	Radiated Electromagnetic Field Immunity
IEC 61000-4-4:2004	Electric Fast Transient Burst Immunity
IEC 61000-4-5:2001	Surge 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: DBK44
Description: 2-Channel Multi-Purpose Isolated Signal-Conditioning Card

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

- * Shielded wires must be used for all inputs.
- * The shields must be connected to the chassis ground of the DBK41 by screws and star washers. The length of the shield connection must be as short as possible.
- * The host computer must be properly grounded.

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



The DBK44 card must be placed in a CE DBK41, 10-Slot Analog Expansion Module.



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, 5B modules, and expansion hardware must be CE compliant.



All power must be off to the DBK44 and externally connected equipment before internal access to the DBK44 is permitted.



Use of solid I/O wire is recommended for terminal connections. If stranded wire is used, strip insulation to 6 mm and twist or tin ends before insertion; after insertion and tightening, inspect for loose strands.



Safety barrier (IOtech part # 232-0805) must be used.



Input wire insulation must be rated for the voltages used.



Isolation Voltage Ratings:

- Input power to system: 0 VDC
- External 5B DC power-to-system (in DBK41) and channel-to-channel:
 - Overvoltage I Pollution degree I: 750 WV
 - Overvoltage II Pollution degree I or II: 450 WV
 - (WV is Vrms or VDC below 2000 m altitude)

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