

Declaration of Conformity

Part #: 467-0740 Rev 07-09

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


Declares that the product:

Product Name: DBK50
Description: Isolated High-Voltage Input Module

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: DBK50
Description: Isolated High-Voltage Input Module

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

- * P1 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.
- Note** Data acquisition equipment may exhibit noise or increased offsets when exposed to high RF fields (>1V/m) 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.
- ⚠ 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.
- ⚠ All power must be off to the DBK50 and externally connected equipment before internal access to the DBK50 is permitted.
- ⚠ All measurement signals present at the input connectors must be zero before inserting or removing any of the signal input connectors or before changing wires at input connectors.
- ⚠ Installation Category 1 for signal inputs.
 - Signal input to system: Overvoltage I Pollution degree I: 500 WV
 - Channel to Channel: Overvoltage I Pollution degree I: 600 WV (Working Voltage) is Vrms or VDC below 2000 m altitude
- ⚠ Replacement fuse is a 3A slow-blow (Littelfuse #313003).

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