



## PISO-730

32-channel TTL-level digital I/O ,16-channel Optically Isolated Digital Input and 16 Open-Collector Digital Output Board(Current Sinking)

[PIN Assignment](#)   [Software](#)   [Manual](#)



### Functional Description

The PISO-730 provides 32 channels isolated digital I/O (16xDI and 16xDO) and 32 channels TTL-level digital I/O (16xDI and 16xDO).The board interface to field logic signals,eliminating ground-loop problems and isolating the host PC from damaging voltages.Its isolated I/O channels provide up to 2500Vdc of protection.

The PISO-730 has one 37-pin D-type connector and two 20-pin flat-cable connectors.The flat-cable can be connected to ADP-20/PCI adapter. The adapter can be fixed on the chassis.It can be installed in a 5V PCI slot and can support truly "Plug and Play"

### Features

- 16 isolated Open-Collector output channels
- 16 Optical isolated digital input channels
- 16 Non-isolated TTL digital output
- 16 Non-isolated TTL digital input

### General Environmental

- Operating temp 0-50 C
- Storage temp -20?C to 70 C
- Humidity :0 to 90% non-condensing
- Dimensions : 180 mm x 105 mm

### Ordering Information

**Note:** Old v1.0 Off: Oct/30, 2004

New v2.0 Start: Oct/01, 2004 ... see more

### Environmental

Operation Temp.: 0 to 50 deg C  
Storage Temp. : -20 to 70C  
Humidity : 0 to 90% none-condensing  
Dimension : 1755 X 121 mm

### Software

- Toolkit for DOS
- Toolkit for Windows 95/98
- Toolkit for Windows NT
- Toolkit for Windows 2000/XP
- Toolkit for LabVIEW 95/98
- Toolkit for LabVIEW NT
- Toolkit for LabVIEW 2000/XP
- Toolkit for OCX 95/98
- Toolkit for OCX NT
- Toolkit for OCX 2000/XP
- ActiveX Control (OCX) 95/98
- ActiveX Control (OCX) NT
- ActiveX Control (OCX) 2000/XP
- Driver for LINUX
- Driver for JAVA
- Driver for DasyLab

### Options

- DB-37 : Directly connect signals to the back of PISO-730
- DN-37 : I/O Connector block with DIN-Rail mounting and 37-pin D-Sub connector

### Specifications

- **isolated output Open-Collector (NPN)**  
Load current : 100mA (Max) per channel  
Load Voltage: 35V AC /DC
- **isolated Inputs**  
Type : Common power isolated Input  
Input voltage : DC 5-24V  
Input impedance : 1.2 Kohm/1W  
Response time : 20uSec (With out filter)  
Non-isolated I/O : TTL Levels

PISO-730

Board (Current Sinking)  
Includes software : NAPDOS