PISO-813

PCI Bus, 32-ch 12-bi, 10 kS/s Isolated Analog Input Board

Features

- PCI Bus (5 V) interface
- 12-bit, 10 kS/s A/D converter
- 32-ch S.E. analog input
- 3000 Vrms photo-isolation protection
- Built-in DC/DC converter with 3000 VDC isolation
- A/D trigger: software trigger
- Bipolar Input: ± 0.625 V, ± 1.25 V, ± 2.5 V, ± 5 V, ± 10 V
- Unipolar Input: 0~0.625 V, 0~1.25 V, 0~2.5 V, 0~5 V, 0~10 V

Introduction

The PISO-813 is a bus-type isolated 12-bit A/D board for the PCI bus for IBM or compatible PC. It features a 10 kHz data acquisition under DOS and Windows. The PISO-813 provides 32 single-ended analog input channels. The isolation range of PISO-813 is increased to 3000 V. It is the most cost effective isolated A/D board for the PCI Bus in the world. The PISO-813 has one 37-pin D-sub connector. It can be installed in a 5V PCI slot and can support truly "Plug & Play".

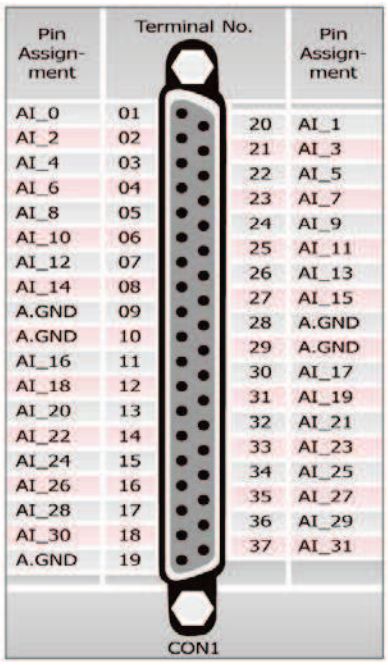
Software

- DOS Lib and TC/BC/MSC sample program (with source codes)
- VB/VC/Delphi/BCB/VB.NET/C#.NET/VC.NET/MATLAB sample programs with source codes
- DLL and OCX SDK for 32-bit/64-bit Windows XP/2003/Vista/2008/7/8
- Support LabVIEW and Linux

Hardware Specifications

Analog Input	
Channels	32 S.E.
Isolation Voltage	3750 Vrms (Bus Type)
A/D Converter	12-bit
Input Impedance	10 MΩ/6 pF
Trigger Modes	Software
Data Transfer	Polling
Accuracy	0.01% of FSR ± 1 LSB @ 25 °C, ± 10 V
FIFO Size	-
Sampling Rate	10 kS/s
General	
Bus Type	5 V PCI bus, 32-bit, 33 MHz
Connectors	Female DB-37 x1
Power Consumption	850 mA @ +5 V
Operating Temperature	0 °C ~ +60 °C
Storage Temperature	-20 °C ~ +70 °C
Humidity	5 ~ 85% RH, non-condensing

Pin Assignments



Ordering Information

PISO-813	PCI bus, 32-ch, 12-bit, 10 kS/s isolated analog input board. Includes one CA-4002 D-Sub connector.
PISO-813 CR	PCI bus, 32-ch, 12-bit, 10 kS/s isolated analog input board. (RoHs) Includes one CA-4002 D-Sub connector.