PISO-PS300U

PCI Bus, 3-axis Stepper Motor/Servo Control Card (Limited Functions and Economical)

CE FC

Features:

- Universal PCI Bus
- 3-axis pulse command servo motor board
- Embedded CPU
- Max. Pulse Rate: 1 MHz
- 3-axis linear interpolation, circular interpolation
- Programmable trapezoidal speed profile
- Programmable DDA cycle
- Hardware emergency stop
- Drivers for DOS, Windows XP/2000 and Windows 7
- 8 DI, 7 DO channels

Introduction:

The **PISO-PS300U** is a **3-axis** pulse command, servo motor control board. The embedded CPU of the PISO-PS300U performs the motion commands transferred from a Host PC via a 2 KB FIFO buffer. It also sends the position and status to the Host PC via a second 2 KB FIFO buffer. These buffers provide time buffer and they are very suitable for Windows operating systems. Device drivers and function libraries for DOS, Windows 7 and Windows XP/2000 are provided.

Specifications:

Number of Axes	3
Slot Interface	Universal PCI bus
Resolution	32-bit
Command Type	Pulse command
Maximum Pulse Output Rate	1 MHz
Pulse Output Mode	CW/CCW, PULSE/DIR
Operation Mode	Semi-closed Loop
Linear Interpolation	Any 2 to 3 of 3 axes
Circular Interpolation	Any 2 axes
Speed Curve Profile	T-curve
Motion Relative I/O	Home, forward, backward limit, EMG, SVON
Synchronous Action	-
Ring Counter Mode	-
Position Control Mode	Incremental mode
Position Compare Trigger	-
Encoder Interface	A/B phase, CW/CCW, PULSE/DIR
Encoder Counter	32-bit
Encoder Rate	1 Mz
Digital Input Channels	8
Digital Output Channels	7
I/O Isolation	2500 Vrms optical isolation
Connector	9-pin male and 25-pin female D-sub
Power Consumption	+5 V @ 950 mA
Environmental	
Operating Temperature	0 ~ +60°C
Storage Temperature	-20 ~ +70°C
Ambient Relative Humidity	0~90% RH, non-condensing

Software Support:

Windows Driver/DLL/Lib	Windows 7 32/64-bit Windows XP/2000 32-bit
DOS Library	-
Labview Development Kit	-
Linux Library	-

Ordering Information/Accessories:

Model No.	Description
Art. No. 12, *' $ **PISO-PS300U CR**	Universal PCI Bus, 3-axis Stepper Motor/Servo Control Card (Limited Functions and Economical) Includes: CA-9-2502 (9-pin Male and 25-pin Female D-Sub Cable, Length 0.2 M) CA-PC09F (9-pin Female D-Sub Connector with Plastic Cover) CA-PC09M (9-pin Male D-Sub Connector with Plastic Cover) CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)
DB-8R	Relay Board for SERVO-300 and PISO-PS300U

For latest driver update information please refer to **www.spectra.de/driver**