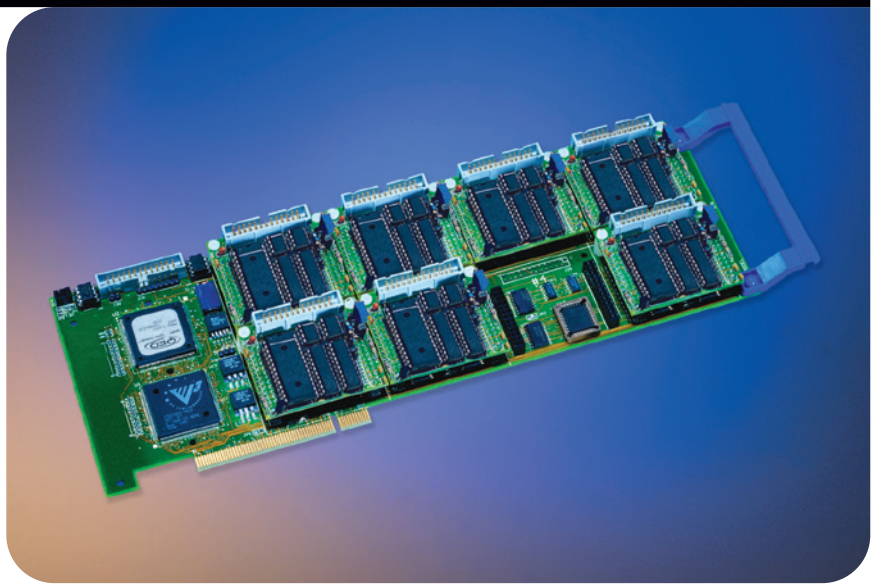
EncoderDriver™ Control Card & Software

- *An economical PC-based micropositioning controller*
- *Computer control of up to eight EncoderDriver actuators*
- *No external power supplies needed*
- *Graphical & intuitive Windows utility programs included*
- *Fully programmable using LabVIEW, Visual Basic and other popular high-level languages*



EncoderDriver™ Control Card

The EncoderDriver Control Card is available in a PCI or ISA bus form-factor (PCI Card shown above). These fit into either the full-length PCI or ISA expansion slots of an IBM compatible PC. The Control Card will control and drive from one to eight EncoderDriver Actuators and requires no external power supplies or amplifiers. Full independent and simultaneous control of up to 8 servo axes can be achieved from a single Control Card. The Card features a position mode of operation which is ideal for data acquisition when the actuator speed needs to be varied to maintain a precise position versus time. Alternatively the Card supports a velocity mode, ideal for scanning applications that require the actuator velocity to be tightly controlled. Communication with the card is via the PC's PCI or ISA bus. Users can command motion in several ways. The easiest is to initiate motion by simply pointing & clicking the appropriate buttons on the included graphical Windows utilities. Users can also write fully automated positioning sequences using any one of several popular high-level languages such as C/C++, LabVIEW, Pascal or Visual Basic. For LabVIEW programmers, a comprehensive library of custom LabVIEW VI's is also provided. And finally, a simple, intuitive command language is available, allowing even non-programmers to easily automate their application.

Specifications

Operating Capacity: 1-8 EncoderDrivers
Max. Motor Current: 500 mA
Encoder Input: TTL/CMOS compatible
Interface: IBM PC PCI or ISA bus
Operating Voltage: +5V 200 mA +12V 50 mA + motor current -12V 50 mA

EncoderDriver™ Extension Cable

This 3 m (10 ft) Cable connects the EncoderDriver Actuator to the Control Card. One Extension Cable is included with each EncoderDriver Actuator Package; additional Cables may be used to extend the distance between the Control Card and the Actuator up to 9 m (30 ft).

EncoderDriver™ Control Card

Catalog Number	Description	Price US
37-1045	EncoderDriver Control Card (controls up to 8 axes) PCI Slot	$1,695.00
37-1039	EncoderDriver Control Card (controls up to 8 axes) ISA Slot	$1,895.00

EncoderDriver™ Extension Cable

Catalog Number	Description	Price US
37-1047	EncoderDriver Extension Cable, 3 m	$33.00