ENCODER300

ISA Bus, 3-axis Encoder Interface Card

Features

- Accepts inputs from incremental or quadrature encoders
- 3 independent axes
- Max. Quadrature Input Frequency: 1 MHz
- Counts per Encoder Cycle: X1, X2, X4 (Software selectable)
- Encoder Input Modes: Quadrature , Up/Down , PULSE/DIR

Introduction

The **ENCODER300** is a 3-axis quadrature encoder interface board for IBM PC/AT bus-compatible devices. Phase 0, phase 90 and index pulse inputs are provided for each encoder. Inputs may be single ended (A, B or C) or differential (A+, A-, B+, B-, C+ or C-). Power and ground connections are also provided for use by the encoder if needed. Inputs are conditioned by a four-stage digital filter, and the maximum input rate in quadrature decode mode is 1 MHz. The conditioned inputs are applied to a 16-bit counter, which may be used for quadrature decoding, pules or direction-input counting, or as a pulse input up/down counter.

Specifications

Model	ENCODER300
General	
Number of Axis	3
Slot Interface	ISA Bus
Resolution	16 bit
Encoder Interface	Quadrant, CW_CCW, PULSE_DIR
Encoder Counting Rate	1 MHz (Max.)
I/O Isolation	-
Connector	25-pin D-Sub
Digital Input	
Digital Input Channels	-
Digital Output	
Digital Output Channels	-
Power	
Power Consumption	+5 V @ 500 mA
Environmental	
Operating Temperature	0 ~ +60 °C
Storage Temperature	-20 ~ +80 °C
Ambient Relative Humidity	0 ~ 90 % RH, condensing

Software Support

Windows Driver/DLL/Lib	Windows 95/98/ME/NT4.0
DOS Library	DOS 6.2
Labview Development Kit	-
Linux Library	-

Ordering Information

ENCODER300	ISA Bus, 3-axis Encoder Interface Card Includes: CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)

Accessories

DN-25	I/O Connector Block with 25-pin/9-pin D-Sub Connector (DIN-Rail Mounting)