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:

Number of Axes	3
Slot Interface	ISA bus
Resolution	16-bit
Mode	Quadrant, CW/CCW, PULSE/DIR
Maximum Counting Rate	1 MHz
Digital Output Channels	-
I/O Isolation	-
Connector	25-pin D-Sub
Power Consumption	+5 V @ 500 mA
Environmental	
Operating Temperature	0 ~ +60°C
Storage Temperature	-20 ~ +80°C
Ambient Relative Humidity	0 ~ 90 % RH, non-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/Accessories:

Model No.	Description
ENCODER300	ISA Bus, 3-axis Encoder Interface Card Includes: CA-PC25M (25-pin Male D-Sub Connector with Plastic Cover)
DN-25	I/O Connector Block with 25-pin/9-pin D-Sub Connector (DIN-Rail Mounting)