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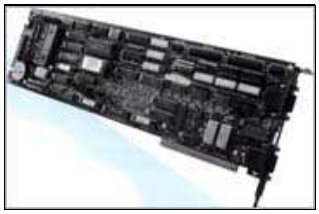
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ACR1000 Motion Controller



Unique Features

- Handles 1 or 2 axes applications. (cascadable for additional axes)
- Microprocessor based motion control card.
- Interactive, user-friendly programming.
- Commands D.C. or A.C. servos.
- Standalone OR PC-Bus compatible.
- 3rd and 4th encoder inputs for Master/Slave operation.
- 1 serial and 1 parallel communications port.
- On board built-in Programmable Logic Controller(PLC).
- 24 optically isolated 24 Volt I/O. (additional I/O optional)
- Closes position OR position and velocity loops.
- Superior quality and price competitive.
- Designed and manufactured in the USA.

The ACR1000 also provides

- 40 bit floating point math
- Linear,circular and elliptical interpolation
- Real time parameter sampling
- Watchdog and auxiliary relays
- Backlash and ballscrew compensation
- True Electronic CAM
- "WEB" control
- IPR slaving

The **ACR1000** is a microprocessor based motion controller that can operate as a **Standalone** unit within the **PC-Bus.** It can be configured as either a 1 or 2 axes controller,and can also be used for multi-axes applications by arranging multiple cards in parallel. Each card has its own address number,and multiple cards can perform independent or coordinated motion under host control.

For dedicated applications,the card can control a servo amplifier as well as interface to the operator. **ACR1000** can also be part of a larger system, interfacing to a host computer via the RS-232 port.

For non-dedicated applications, the **ACR1000** can be part of a complete system,offering the operator an interactive keyboard and display or Thumbwheel station along with the necessary supporting electronics. Unlike most controllers,the **ACR1000** also has a small built-in PLC (Programmable Logic Controller). The PLC can also work in conjunction with built-in timers and counters.

The **ACR1000** provides the most detailed programming features available on the market. Details make the difference. Compare the programming details before you buy.

The **ACR1000** is the preferred choice where a small number of axes, performance and cost effectiveness are the primary considerations.



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