

PCI-ScaleTrack

3 Axis PCI Computer card system for all types of Incremental position encoders.



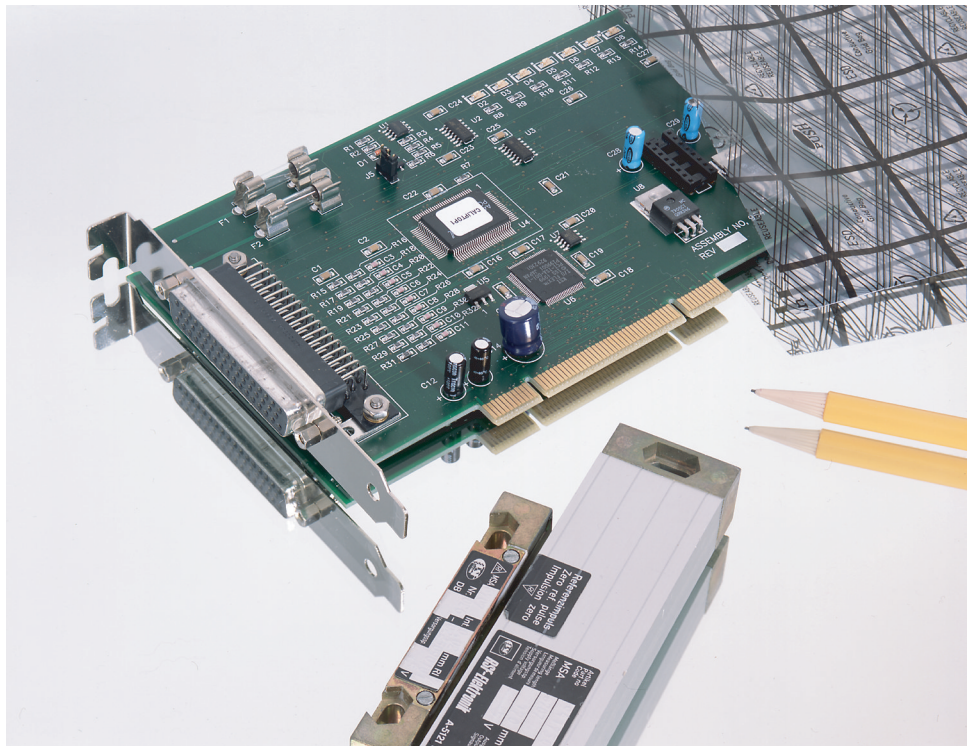
In keeping with Caliper Designs tradition of maintaining compatibility with evolving technologies, CDI developed PCI-ScaleTrack to allow current PC's to be connected to all encoder systems.

- 3 Axis.
- Over 4.0 MHz count rate.
- Computer powered adaptors for all incremental encoder types.
- Renishaw touch probe circuitry-built in. Latches all 3 axis.
- Separate event triggers for latching each axis.
- 8 bit output port, and 8 bit input port for machine control.
- Software development kit included.
- Wide support among software vendors.

PCI-ScaleTrack is one of the fastest quadrature counting systems available. Using PCI-ScaleTrack, systems can keep up with a quadrature signal with state changes as often as every 250 NS (4.0 MHz). PCI-ScaleTrack has a common internal event latch which can be used for touch probes or foot switches.

PCI-ScaleTrack also has individual event latches for each axis which can be used for index mark inputs. In addition PCI-ScaleTrack contains an 8 bit output port and a separate 8 bit input port. All these controls can be accessed by a proprietary DLL, which is included.

Needless to say, PCI-ScaleTrack can accommodate most encoder counting and positioning tasks.



FEATURES

- Fast
- Standard card dimensions
- 8 bit parallel out port
- 8 bit parallel in port
- Common event latch
- Separate event latch per axis
- Password protected access
- Scale error detection
- Software development kit
- Noise reduction circuitry
- On board indicators

BENEFITS

- Greater than 4 MHz count rate.
- Fits all PCI slots.
- Provides output for system control.
- Provides input from system.
- Latches current count on all axis.
- Used to monitor events on each axis.
- Only authorized applications can gain access.
- Provides visual indication of scale problems.
- Shipped with each card.
- Reduces count errors.
- Provides scale and touch probe indications.

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