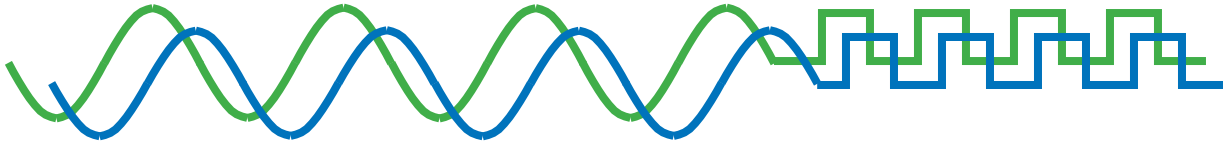


Interpolex

Computer powered interpolators, for all kinds of incremental encoders.



The final link between a computer and a measuring system is an encoder interface. Encoders come in two basic technologies, *square wave* and *sine wave*.

Interpolex solves the problem of converting a sine wave encoder into square waves that PCI-ScaleTrack, or any computer based counter card, can understand.

Interpolex was designed to make encoder retrofits as easy as possible. The units are shipped with the system connector, to allow quick connection to the existing system. Also Interpolex is completely computer powered. The unit is shipped with a cable to allow direct connection to Caliper Designs, Inc. PCI-ScaleTrack counter card.

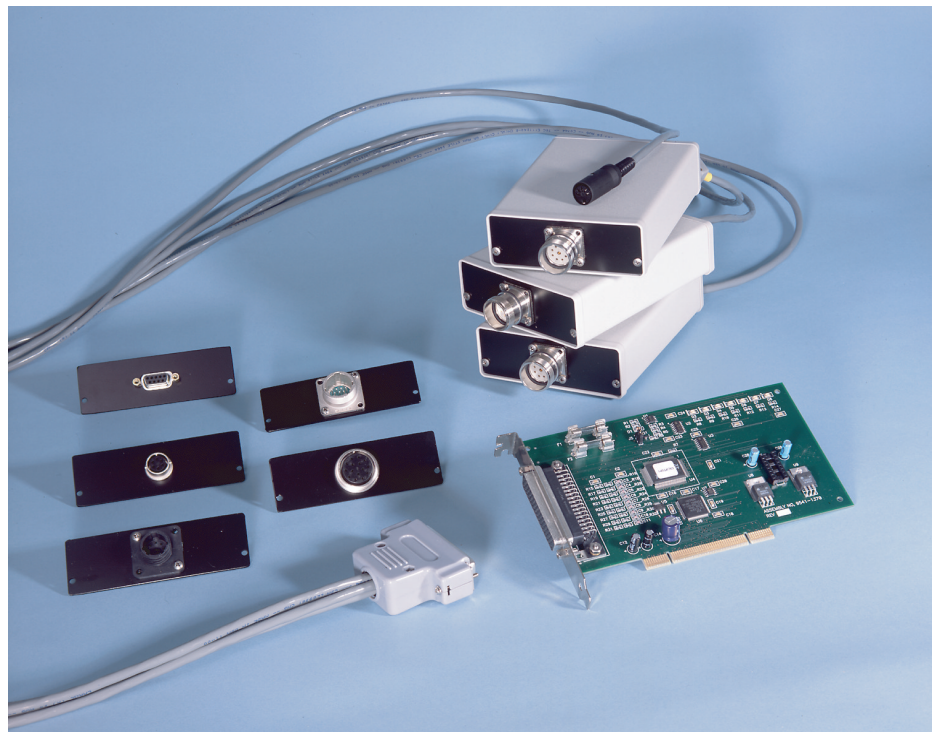
Interpolex's small size allows easy installation into any system.

Scales/Manufacturers supported:

- Heidenhain, all micro-current scales.
- Mitutoyo, all sine and square wave scales.
- All B&S including Micro-Val scales.
- All DEA
- All Sheffield/Cordax/G&L past and present.
- All Starrett/Hansford, past and present.
- All Numerex.
- All Boice/Federal including Inductosyn.
- Universal with 9 pin D-Sub connectors.

Physical size:

- 5.5in (140 mm) long
- 1.5in (38 mm) high
- 4.0in (101 mm) wide



FEATURES

- Companion to PCI-scaleTrack
- All power supplied by Computer
- Used by most software vendors
- Accepts existing scale connectors
- Full quadrature output signals
- Adjustable excitation voltage
- X20 or X40 interpolation rate
- Easily accesable test points
- Small size (5.5X4.0X1.5) in.
- Real time interpolation
- On board indicators

BENEFITS

- Provides "Plug Tune and Play" installations.
- No separate power supplies.
- World wide industry acceptance.
- No need to change connectors in the field.
- Provides *double ended* signals when required.
- Simplifies tuning.
- Allows 1uM resolution with 0.040uM scales.
- Simplifies tuning.
- Easy to locate on any CMM machine.
- No errors due to Burst modes.
- Provides visual indication of scale activity.

World Class Manufacturing Aids