USB SENSOR LINK

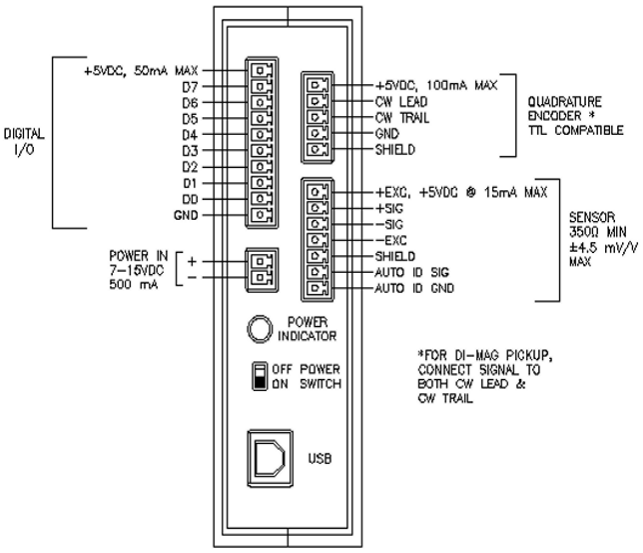
90386 USB SENSOR INTERFACE

The 90386 is a portable sensor interface that powers and processes strain gaged based sensor into USB compatible signals. No need for additional signal processing or special PC cards. This versatile instrument is designed for:

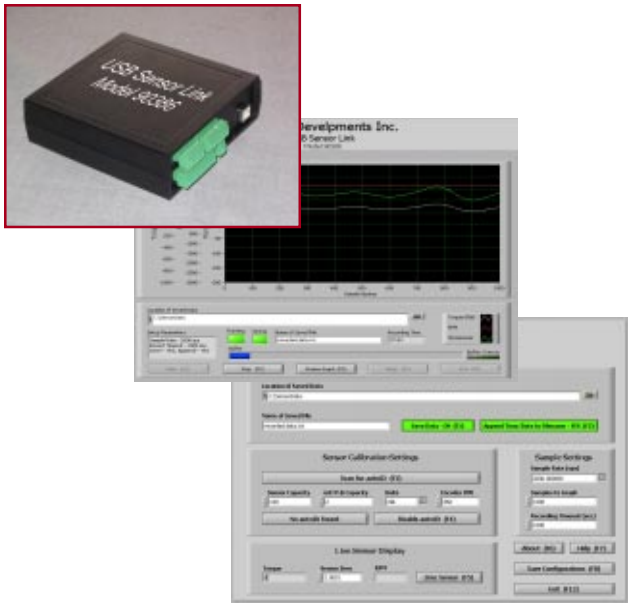
- Measuring force, torque, pressure, or displacement
- Capturing and storing multiple peaks
- High speed recording of measurement profiles vs. time
- RPM measurements (di-mag pick-up or optical encoder), including horsepower calculation.
- Control of remote devices

SPECIFICATIONS

Max input and F.S. .....+/- 4.5 mV/V
Polarity ..... Bi-polar
Bridge excitation ..... 5 V supplied
Minimum bridge impedance 350ohms
Electroncs Dimensions ..... 5.3W x 5.1D x 1.5H
Power Requirements-AC (adapter supplied) .....115 Vac
Strain input ..... 16 bits, 4 pole 400Hz low pass filter, 5Vdc exc.
Digital I/O ..... 8 bits of TTL compatible by-directional
Sample rate ..... 2000 strain/position samples per sec
PC Interface ..... USB 2.0 compatible



WIRING CONFIGURATION



ELECTRONICS WITH INTERFACE SCREENS

FEATURES

- 2 channel input (strain and or speed/position).
- Built in excitation supply for strain gage bridge and speed sensor.
- Optional high level (+/-10V, +/-5V) input in place of strain.
- Speed/position input - quadrature encoder, di-mag pickup, 5VDC excitation.
- Simultaneous sampling across all channels, strain and speed (no analog multiplexing).
- AutoID compatible.
- Sensor & I/O connections made via removable terminal block.
- PC software for graphical display and streaming data to disk.

OPTIONS

- Enhanced Graphic User Interface software available.
- Multi-channel configurations.