



eZ-Balance™

Machine Balancing Software

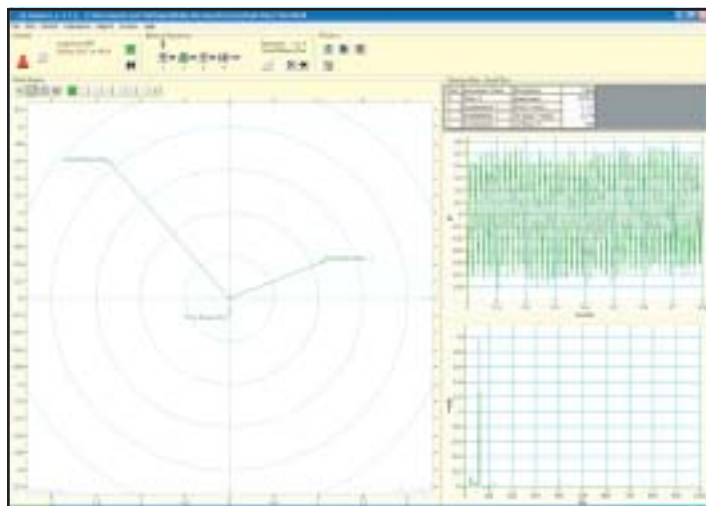
Compatibility: ✓ WaveBook ✓ ZonicBook

Features

- Multiplane trial, and trim balancing
- Polar, time and spectral displays
- Computes and stores influence coefficients for future trim balancing
- Vibration data can be collected by the ZonicBook/618E™ or WaveBook™, or entered manually
- Balancing toolkit
 - Trial weight calculations
 - Weight splitting
 - Centrifugal force
 - Stock weights
 - Weight removed
 - Unbalance tolerance
- Balance solution can be based on multiple response points

Balance your rotating machinery with eZ-Balance™ and the ZonicBook/618E™. The combination of the ZonicBook/618E with eZ-Balance provides a powerful system for multi-plane (up to 7 planes) balancing applications. eZ-Balance computes the optimal balance weights and their locations, based on vibration data collected from the ZonicBook/618E. The data is displayed in a convenient Polar plot that indicates the magnitude and phase of the unbalance as well as time and spectrum data.

eZ-Balance determines a balance solution by calculating the change in vibration condition based on adding trial weights. The balance process is a series of well defined steps. The initial trial run is used to measure the *as-found* vibration condition. The machine is shutdown and a trial weight is added. The balance run measures the effect of the trial weight and a trial solution is calculated. A trim run is then performed to confirm the results of the trial solution.



Polar, spectrum, and time displays showing progress of each balance run

Accelerometers, velocity probes, or displacement probes may be used to measure the vibration level at each balance plane. A tachometer measures the rotation speed and provides a phase reference.

Specifications

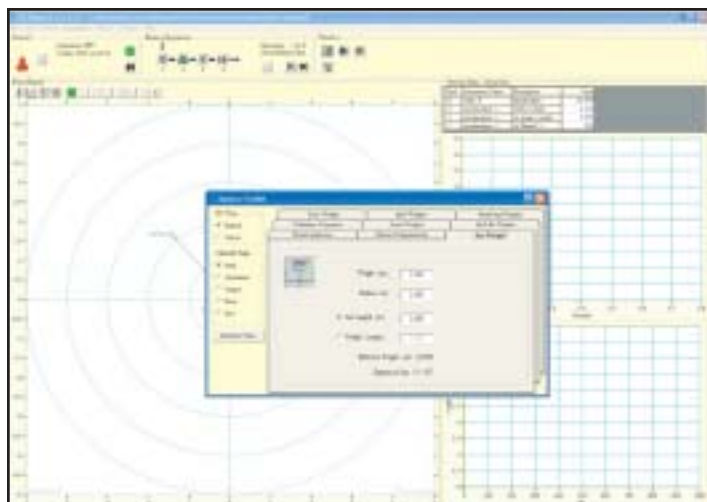
- Input Bandwidth:** DC to 50 kHz for 8-channel unit;
DC to 10 kHz for 16-channel unit
- Analysis Blocksize:** 512 to 8192 in powers of 2
- FFT Windows:** None, Hanning, Flat Top, 3 Term Blackman Harris
- Integration:** Single and double integration, selectable low-frequency cutoff
- Averaging:** Linear

Ordering Information

Description	Part No.
Machine balancing software for the WaveBook, ZonicBook, and Windows®	eZ-Balance

Related Products

Hardware	
WaveBook	p. 17
ZonicBook	p. 59
Software	
eZ-Analyst	p. 63
eZ-TOMAS	p. 68



Powerful toolkit for computing balance weights