

# Advanced Balancing Program for the Model 2130

- Single or multi-plane balancing
- Simple graphical interface
- Eliminates background vibration
- Automatically identifies structural faults



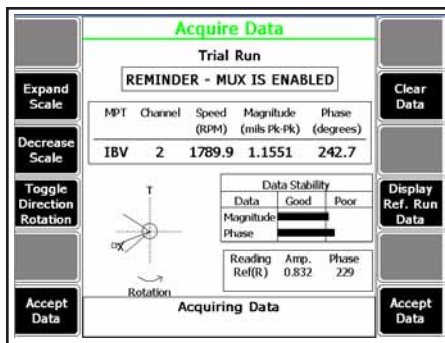
## Dynamic Balancing

The Advanced Bal program transforms the Model 2130 machinery analyzer into a portable balance analyzer. With this optional balance program, the 2130 provides excellent results for balancing jobs in the field as well as in the shop. In addition to fast, easy operation, the patented Balancing Watchdog feature automatically alerts users to structural problems that might complicate the balance job.

It's accurate, simple, and gets the job done fast in fewer runs.

It only takes a few minutes of training to learn how to use Advanced Bal effectively. If questions arise during the balance job, complete online help messages are available at the touch of a button. Basic mode provides a quick solution for one and two plane balancing jobs. Advanced mode handles complex jobs with up to 4 weight planes and multiple speeds. Advanced features enable even inexperienced users to deal with the kinds of complex situations that are frequently encountered in field balancing.

The Balancing Watchdog is a revolutionary feature in a field balancer. The Watchdog looks for severe secondary faults other than imbalance, and even compares vibration across the shaft to identify looseness or resonances in the structure. It then automatically generates a report of its findings, indicating the nature and location of potential problems.



The intuitive graphic user interface of Advanced Bal provides simple yet powerful tools to meet the needs of field balancing. For instance, the quality of data can play a big factor in successful

balance jobs. The data stability bar graph indicates when balance data is stable enough to generate a valid solution. More advanced users can actually watch the imbalance in real time on the vector graph.

Advanced Bal also includes graphical displays to assist in job definition, weight placement, residual vibration calculations, and more. Advanced Bal also pictorially demonstrates the impact on machinery.

### Advanced Bal Product Features

- Menu driven interface
- Online help
- Basic and advanced modes
- Notepad
- Up to 4 balance planes
- Up to 8 balance sensors
- Up to 6 variable speeds
- Discrete weight plane calculations
- Automatic weight splitting
- Compatible with balancing mux: 4 channel
- Vector averaging
- Multiple balance solutions
- RPM window for valid data
- Full calculator mode
- Compatible with shop balance stands
- Balancing Watchdog
- Bar graph for data stability
- Real time vector display of data
- Graphical job setup
- Graphical display of weight location
- Tolerance graph with target
- Trial weight estimation
- Review influence coefficients
- Residual vibration calculation
- Amplification factor/system lag

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