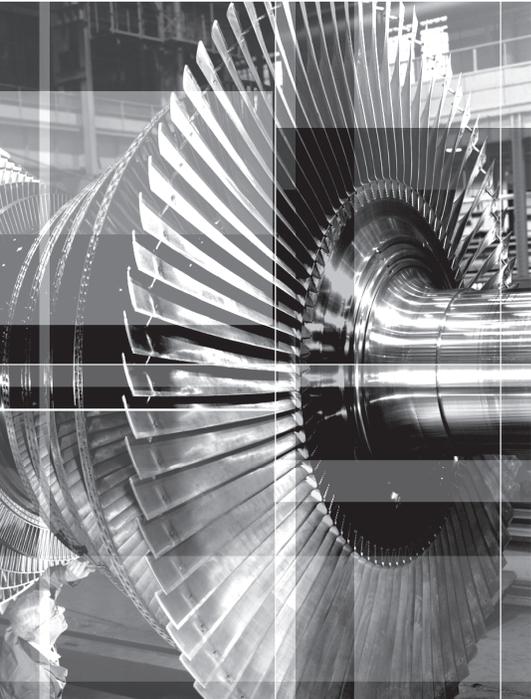


Powerful Portable Analysis



SignalCalc[®] Turbo

Based on Quattro:

2 – 4 measurement channels
1 tachometer input
Ultra portable

Based on Abacus:

4 – 32 measurement channels per chassis
2 – 8 tachometer channels per chassis
Unlimited expandability

SignalCalc

Dynamic

Signal

Analyzers

Turbomachinery Vibration Analyzer

powered by

ABACUS

SignalCalc Turbo is the turbomachinery vibration analyzer that delivers top-tier machinery diagnostics capability in a straightforward, easy-to-use package. Designed with critical input from highly experienced turbomachinery analysis professionals, SignalCalc Turbo is well-suited for vibration analysis of fluid-film bearing machines in the factory test environment and on the machine deck.

A must-have tool for rotating machinery experts and consultants

Rotating machinery experts in different industries share one common need - analysis solutions that help them get the critical machinery diagnostics results they need quickly.

Industries

- Power Generation
- Oil and Gas
- Pulp and Paper
- Aerospace
- Process Facilities
- Turbomachinery Manufacturing

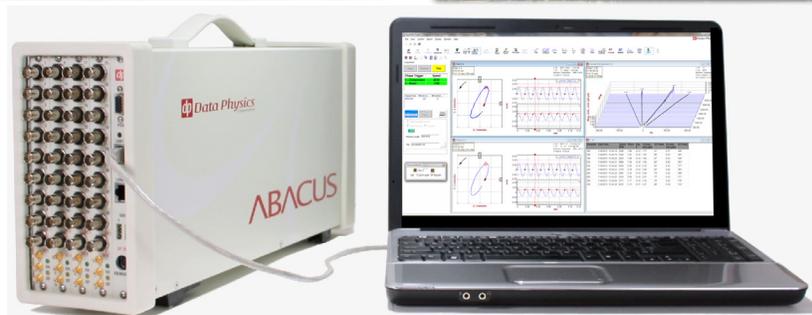
Applications

- Startup support
- Machinery troubleshooting
- Factory acceptance testing
- Service contracts
- Research and development
- Remote monitoring
- Rotor balancing
- Rotor dynamics validation

Users

- Independent consultants
- Turbine engineers
- Rotating machinery specialists
- Site reliability personnel
- Test cell managers
- Field services
- Design engineers

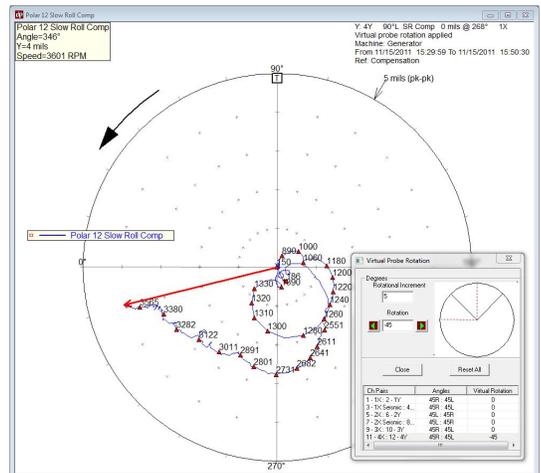
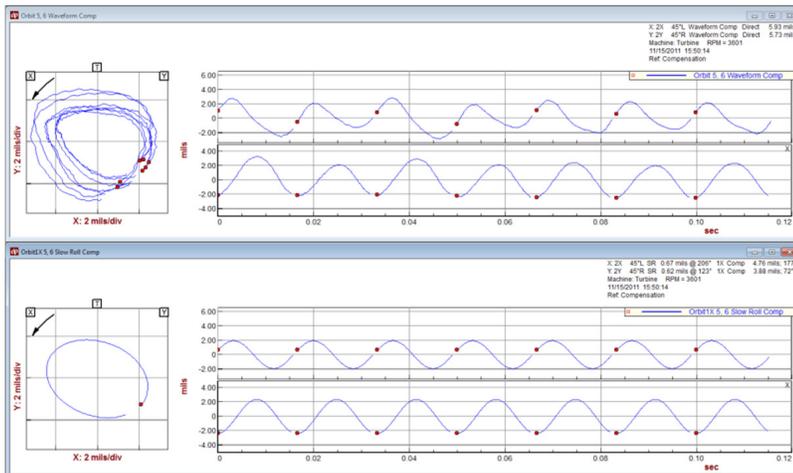
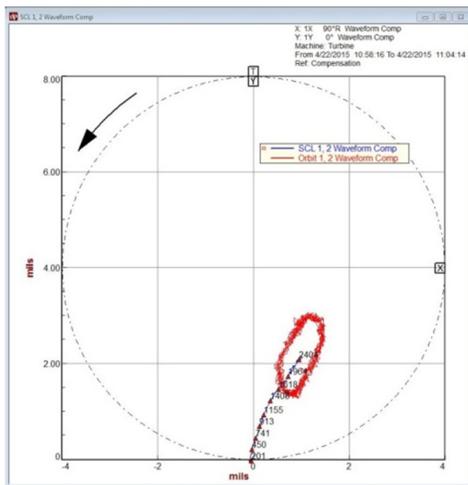
The new standard for portable turbomachinery vibration analysis



Advanced Portable Machinery Diagnostics

Comprehensive Measurements for Fluid-Film Bearing Machines

The most powerful measurements defining shaft relative motion and radial position are derived from pairs of proximity probe displacement transducers placed orthogonally at each bearing location. For diagnostics of misalignment and other machinery malfunctions, Signal-Calc Turbo provides the necessary measurement and graphical tools to display shaft orbit and centerline position overlays, full spectrums, orbit timebase, and virtually rotated vector data from each proximity probe pair.



SignalCalc Turbo

A full-featured diagnostic instrument for rotating machinery

Standard Features

- Up to 6 nX tracking filters
- Two fixed bandpass filters
- Integration and differentiation
- Slow Roll and full waveform compensation
- Automated event-based triggering
- Plot Types

Orbit
Orbit + Timebase
DC Orbits
Time Trend
X-Y
Polar
Bode
Shaft Centerline
Cascade
Waterfall
Spectrum
Tables
Default and Custom Layouts

- Live and historical overlays
- Combine runs
- Shaft absolute vibration
- Rotor unbalance response computation
- Virtual probe rotation

Optional Features

- Integrated disk recording and playback analysis
- Software alarms with external relay output interface
- Live data export
- Self-calibration software

