

vibDaq

vibration monitoring systems

LabVIEW-based Vibration Solutions



vibDaq Transient

Transient Test System - Designed to allow easy data collection and reporting for rotating machinery during transient events

- Startup and coastdown
 - Order tracking (amplitude and phase)
 - Overall and gap voltage
- Digital waveform recording (stream to disk)

Easy data presentation from data files to produce common plots such as

- Bode, Polar, Shaft Centerline, and Waterfall

Supported Probe Types

- Proximity probes (Radial Vibration, Thrust Position, or Tachometer)
- Accelerometers (with IEPE provided)
- Velocity probe
- Optical tachometer
- Other (any voltage output sensor within the input voltage range)

Offline viewing of plots via free plot viewer

National Instruments LabVIEW® based application. Supported virtual instrumentation hardware types

- Professional Series (NI PXI-4472B)
- Portable Series (NI 9234/9233/9215A)

Available Plots - Waveform, FFT, Orbit, Bode, Polar, Shaft Centerline, Waterfall, Feature Table, Trend

Hardware Options

	Portable Series	Professional Series
Channel Count	4 to 32	8 to 56
Acquisition Rate	Up to 51.2 kHz per channel	Up to 102.4 kHz per channel
Acquisition Method	Simultaneous	Simultaneous
Analog to Digital Resolution	24 bits	24 bits
Input Ranges	± 5 volts	± 10 volts or ± 31.6 volts
Input Coupling	AC or DC	AC or DC
IEPE Power	Software selectable per channel	Software selectable per channel
Antialiasing Filter	Yes	Yes
Sensor Connections	BNC	SMB (SMB to BNC Cables Provided)

specifications