

SPECIFICATION TABLE

INPUT SIGNAL

Range	± 5V Standard, Optional ±30V
IEPE	Software Selectable On/Off, 0mA or 2.1mA optional 4.1mA
Channels	4 Channels, Simultaneous sampling software handled Accel. or Volt
Accelerometer input	50g / optional 300g (with a 100mV/g sensor)
Dynamic Signals	4 channels,

FREQUENCY ANALYSIS

A/D converter	24 Bits
Sampling Frequency	51.2 KHz (Optional 102.4 KHz)
Frequency Units	Hz, CPM
Fmax	20KHz or optional 40KHz
Dynamic Range	-103 dB
Number of averages	Up to 10240
Resolution	200 lines to 208 400 lines
Fault Frequencies	Overlay fault frequencies cursors on spectra
Kinematics	Smart definition of transmissions, bearing frequencies, pulley belt,
Customized Freq Event	Function of Rotational Speeds
Variable Speed	OneClick Kinematics Update of all frequencies for variable speed equipment
Cursors Spectrum	Unlimited harmonics and side bands cursors, Magnet cursors
High Pass Frequency	User defined from DC to 100 Hz
Scaling	Linear/Logarithmic
Window Functions	14 embedded window Types

Data Storage Capacity

Internal memory	SSD 256 Go, 500Go standard
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Physical Dimensions

Dimensions	10.8" (L) X 10.6" (W) X2.3" (H)
Weight	2.5 lbs/(1.1 kg)

Display

Screen	10.1" X GA sunlight-viewable LED 1920x1200, Dual touch (touch-screen and digitizer) TransfectivePlus and Panasonic Circulumin™ technology with up to 6000 nits under direct sunlight
Docking station	2 USB, Ethernet, Power Supply, Charger Slots for spare Battery
Digital Camera	Integrated 3 Mpx Digital camera

Environmental

Operating Temperature	-20°F to 140 °F (based on MIL-STD-810G)
Rugged Features	MIL-STD-810G and Ip65 certified 6 foot drop rating Magnesium alloy chassis with shock-mounted flex connect hard drive Fanless, sealed design reinforced locking port covers

Battery and Charging

Battery Type	2x Li-Ion Hot Swappable, virtually unlimited autonomy Lithium ion battery pack (10.65V, 5700mAh) AC adapter: AC 100V-240V 50/60Hz, autosensing/switching worldwide power supply
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Communication

Wireless	Intel®centrino® Advanced-(N 6205 802.11a/b/g/n Bluetooth® class 1) Optional integrated 4G LTE mobile broadband Optional integrated 3G Gobi™ mobile broadband, Optional GPS receiver
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SPECIFICATION TABLE

COLLECTOR FEATURES	
Data Acquisition	Single Axis and Triax route measurement Long Time recorder BlueTooth Real Time Audio from Accelerometers Real Time Color Coded Alarm Levels Embedded Camera RealTime Velocity Spectrum, Acc, Spec., 5 OverAll levels and Time Waveform
Kinematics	OneClick Fault frequencies calculation/update for variable speed equipments Smart Harmonic and lateral Cursors Bearings Faults cursors Variable Speed Machinery Analysis Gear mesh cursors Harmonic Events Cursor
DataBase	8 Levels Database Architecture Color coded Treeview Efficient Machines definition (cloning process) Embedded Bearing Database ClickOnce Machines definition by templates
Signal Processing	OverAll Time Indicators (Peak, RMS, Kurtosis, Crest Factor, Velocity) Spectrum, Spectrum Env., Narrow Bands, Octaves, Filters, Cepstra, Hilbert... Time frequency spectrogram Spectrum superposition (Waterfall, 3D, 2D) , by point or by machine) High Pass, Low Pass, Band Pass, and Band Stop Filters Customizable Analysis configurations
Alarm Properties	Narrow Band Alarms Baseline, Pre-Alarm, Alarm & Danger parameters Self-Adaptative Alarm settings by Machine/Department/Plant/Site
Other Features	Units conversion (Hz-CPM, ISO metric-Imperial) Integrated ISO standards UltraHDMonitoring analysis on 4K screen Interactive Color coded Dashboard Custom Report Generation : Analysis, Kinematic, Anomalies by Machine/Plant Backup and restore modules Remote Synchronization to other VibWorks Units Trending Forecast by curve fitting Polynomial and linear Trending Forecast ClickOnce Alarm definition (Site/Plant/Department/Machine/Comp) Server Mode Reprocess History data per machine or per plant

BALANCING FEATURES		ANALYSIS FEATURES	
Units	ISO or Imperial	Trigger range	Up to 25 feet (Class 3R Visible Laser)
Planes	1 and 2 Planes, simultaneous acquisition	Trigger	TTL Pulse output
Speed	120 RPM to 300 000 RPM	Speed	5 RPM to 200 000 RPM
Split Wheights	3 to 50 Points	RT Analyzer	Cross Spectrum, Magnitude Phase, Overall Level With Filter
Rotor Parameters	Sensitivity Calculation and Storage,	Impact Texting	FRF by impact testing, Bode Diagram, Nyquist Diagram, Export to Excel...
ISO Standard	Embedded ISO 1940	Phase	Cross Correlation Based Method
Residual Unbalance	According to ISO 1940 with trial Weight calculation	A/D Converter	24 Bits
Balancing report	Generated automatically with Email sending	Sampling Frequency	51.2 Khz (optional 102.4 Khz)
Indication	Real Time Polar Diagram with Vector Indication	Frequency Units	Hz, CPM
Phase	Cross Correlation based method	Fmax	20 Khz (optional 102.4 Khz)
A/D Converter	24 Bits	Orbits	Using proximity probes and accelerometers
Sampling Frequency	51.2 Khz (Optional 102.4 Khz)	Order Extraction	Harmonic and non harmonic Order analysis and extraction
Frequency Units	Hz, CPM	Test Bench mode	Intuitive Pass Fail setup