

Dynamic Vibration Analyzer

VibNet Driver is a next-generation, portable, real-time analyzer designed for making fast and accurate vibration measurements with post-processing capabilities.

It offers the convenience and speed of the USB 2.0 interface, and comes with 8 input channels (each of up to 3-axis accelerometers) and two tachometer channels. This analyzer can acquire the signals of the digital output VibNet accelerometers.



Key Feature

- Eight 3-axis accelerometer input channels + Two tacho inputs
- Up to 20 kHz per axis simultaneous sampling
- Synchronization of multiple devices
- Fan-less, noise-free operation
- Battery option (external)
- Portable and lightweight
- Real-time FFT analyzer
- USB host interface

Applications

- In-flight testing
- In-vehicle testing
- Operational Modal Analysis (OMA)
- Operational Deflection Shape (ODS)
- Rotating machine diagnosis and analysis
- Dynamic balancing of rotating machinery
- Field, laboratory and anywhere you need to make measurements



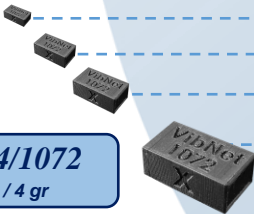
Dynamic Vibration Analyzer



VibNet 354/356
30x30x33 mm / 80 gr



VibNet 344/1072
17x9x7 mm / 4 gr



Parameter	Model			
	DPS - VDMU		DPS - VDPU	
No. of Input Channels	8 ch × (3 axis)		8 ch × (3 axis) + 2 tacho	
Input Type	VibNet 344	VibNet 1072	VibNet 354	VibNet 356
Measurement Range	±2/6 g	±40 g	±2/4/8 g	±10/20/40 g
Broadband Noise	0.002 g	0.05 g	0.0008 g	0.0032 g
Bandwidth	DC~1000 Hz	DC~2000 Hz	DC~1000 Hz	
Sampling Rate	20 kHz / axis		Total 120 kHz	
Maximum No. of Devices	Up to 4			
Interface	USB 2.0			
Interface Isolation	-		5000 V rms	
Supply Voltage	4.5~5.5 VDC		10~36 VDC	
Power Consumption	100 mA + 35mA/ch @ 5V		30 mA + 25mA/ch @ 24V	
Operating Temperature	-20°C ~ 70 °C			
Storage Temperature	-40°C ~ 85 °C			
Size	140 (L) × 96(W) × 63(H) mm			
Weight	770 gm			
Case Material	Aluminum			
IP Rating	IP40			
Software Options	Timewave, Filter, FFT, FRF, PSD, RMS			
Output Formats	TDMS, UFF, TXT			

