

# VIBER X5™

SMART PRODUCTS FOR SMART PEOPLE

The VIBER X5™ is the latest evolution building on the popular Easy Viber™. The VIBER X5™ combines the extreme performance of the Texas Instrument DSP processor with the experience and popular features of the Easy Viber™, all in a rugged heavy duty casing!



## VIBER X5™

- Easy operation
- Versatile and innovative
- Super Fast and Powerful
- Vast array of accessories
- Rugged and tight (IP65)
- Unbeatable price vs.  
performance ratio







## VIBER X5™

Some of all user friendly features customers like about the VIBER X5™;

*"The VIBER X5™ starts within 2 seconds and always at the point or place where I stopped working"*

*"The route window is very well thought through and gives all information clear and visible"*

*"The situation based help menu give me fast response when I've forgotten something"*

*"With the internal non-contact IR transducer there is now no reason to not measure temperature in route"*

*"We can use the same route for the VIBER X5™ as for the Easy Viber™ and X-Viber™"*

### Sample of Accessories:

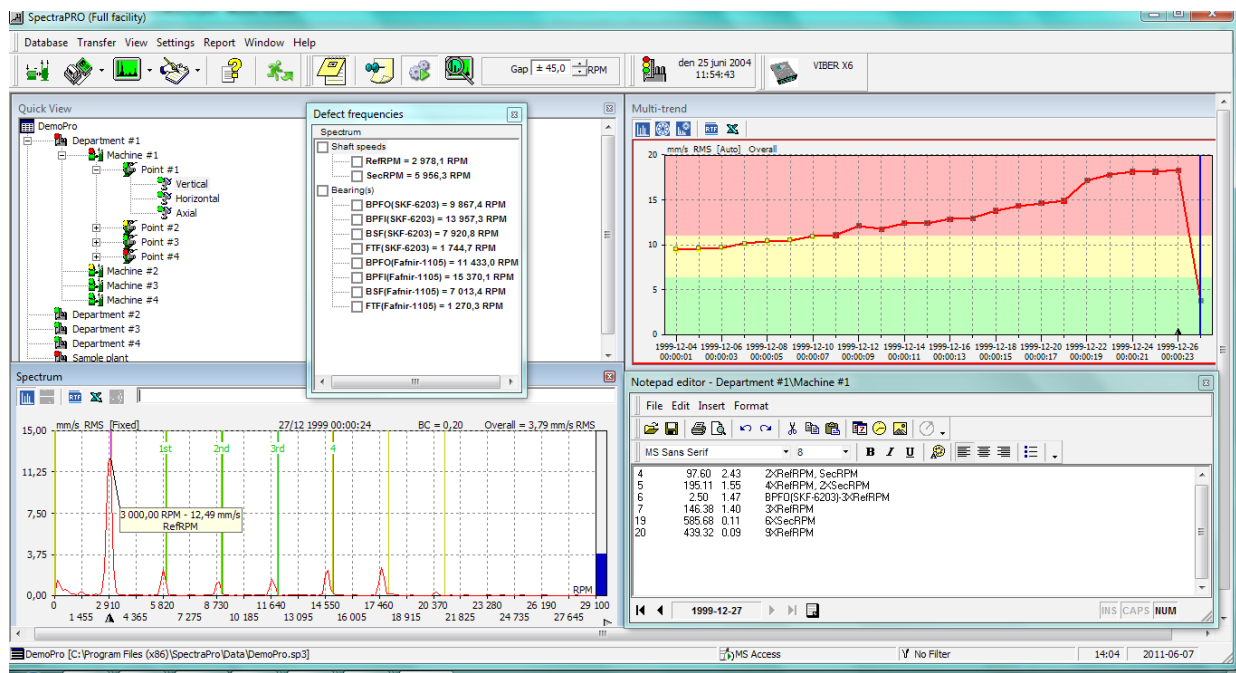
**Current Clamp.** Indicate the speed of the engine without getting close to rotating parts. Upgrade and do Motor Current Signature Analysis (MCSA)

**Balancing kit.** Including External laser tachometer (0,5 to 250 000 RPM with 5m cable, 2 pcs 5m extension cables for transducers, fast and easy to setup magnet holder for the tachometer, and a pocket scale. The VIBER X5™ case is already precut to fit the Balancing kit items.)

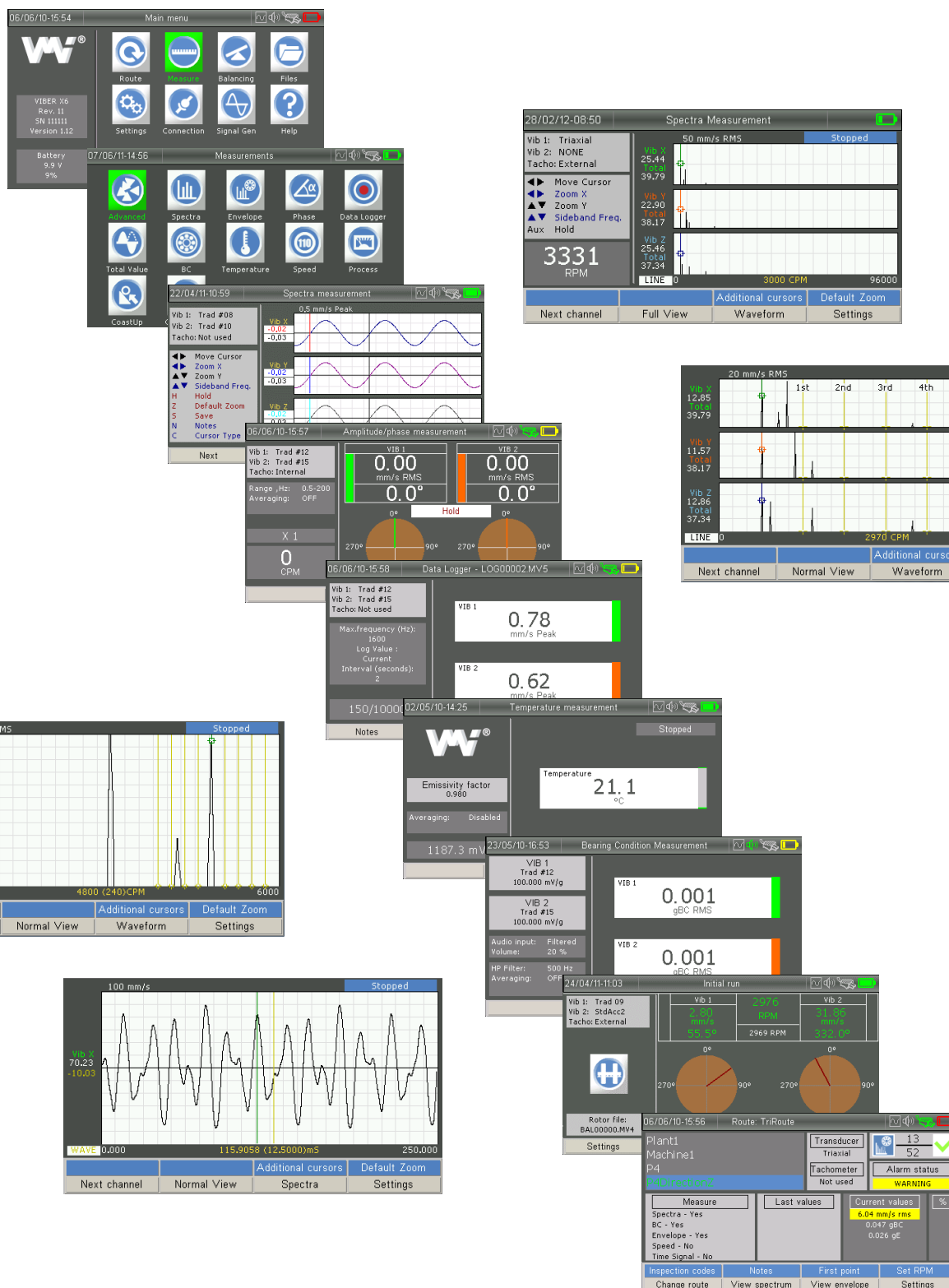
## SpectraPro analyzing and route Software

**VIBER X5™** is designed to work together with SpectraPro, PC software for advanced vibration analysis.

- Create routes and set alarm levels. VIBER X5™ may be used for the same routes as EasyViber™ and X-Viber™.
- Simple database structure with templates and pictures.
- Large bearing database (over 6000 pcs) with defect frequencies. Easy to add user specific bearings.
- Quick view, store your own array of windows for fast viewing.
- Waterfall, last 5 spectra or choose your own.
- Automatic reports, generate probable fault causes and work reports with a click of a button.
- Network, multi user.
- Work with different level of access, let your colleagues, supervisor, customer etc have access to the plant status via low cost (non editable) graphical interface.
- And much, much more!



## SpectraPro analyzing and route Software







## VIBER X5™

**VIBER X5™** scalable platform is designed to allow you to add more features with the functionality you need whether you are an experienced analyst or just starting a Condition-based Maintenance program.

☒ Included in the standard delivery

☐ Option

☒ 2 Accelerometers, VMI 192

☒ Internal IR temperature meter

☒ Possibility to listening to the bearings while measuring

☒ IP68 rugged carrying case

☒ Extension tip

☒ Desktop charger

☒ Hand straps for comfortable use

☒ USB cable for connection to a computer

☒ Free software update

☒ 2 year manufacturing warranty

☒ Route based data collection

☒ Multimeter, process parameters

☒ Data logger for long-term recording

☒ Coast-down/-up

☒ Orbit

☒ Bearing condition

☒ Amplitude and Phase

☒ Envelope

☒ Spectra

☒ Waveform

☒ Vibshape

☒ Bump test

☒ Cross Spectra

☐ One- and two-plane balancing kit

☐ Synchronous averaging

☐ 3 channel simultaneous measurement

☐ Current clamp to measure current and indicate speed

☐ MCSA (Motor current Signature Analysis)

☐ Extended warranty up to 6 years

## Technical data VIBER X5™

Digital	DSP Processor	Texas TMS320C6713B	
	Memory	Storage: 1 Gb micro SD card 128 MByte RAM 2*16 MBytes fast flash memory	<i>Minimum spec. Actual spec. is depending on hardware revision</i>
	ADC	16 bit, max 192 KSPS simultaneous sampling	
Display	Size & Resolution	4,3" Amorphous- TFT-LCD 480 x 272 pixels	
	Colours	65536	
Signals in/out	AC inputs	All standard ICP accelerometers (4mA/24V), velocimeters or general purpose AC transducers in range 0-8 V RMS. Auxiliary input in range 0-30V RMS	<i>VMI default transducers are automatically recognized</i>
	DC input	0 to 5V	
	External reference	0,8 to 24V	
Built-in transducers	Temperature	-10 °C to 120 °C	<i>Infrared</i>
Measurements	Processing	Direct, single or double integrated or derivated (configured in software upon used transducer and user request). Up to three channels simultaneous sampling	
	Frequency range	0.5 to 32 000 Hz	
	Amplitude range	0 to 80 g	<i>Depending on transducer used</i>
	Accuracy	0.01 g ± 1% for non integrated 0.1 mm/s ± 2% for single integrated 2 µm ± 3% for double integrated	
	FFT lines	25600	
	Sampling rate	Up to 131072 Hz depending of selected frequency range	<i>Three channels simultaneous sampling</i>
	Windowing	Selectable: Hanning, Hamming, Blackmann, Kaiser-Bessel	
Power	Accumulators	4500 mAh Ni-MH battery pack	
	Autonomy	10 hours typical use	
	Charging	4 hours typical charge time	
Temperature	Operating	-20 °C to +70 °C (-4 °F to 158 °F)	
	Storage	-30 °C to +80 °C (-22 °F to 176 °F)	



**VMI International AB**

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[www.vmiab.com](http://www.vmiab.com)