SMART PRODUCTS FOR SMART PEOPLE

VIBER X5 MKIII™

The new VIBER X5 MKIII™ is our improved instrument with all neccessary features for a reliable analyse of machines status.
All necessary features in a rugged casing made for rough use, designed from experience!

VIBER X5 MKIII™

- Easy to operate by logic functions, saves time to get started
- Rugged and tight (IP 65)
- Flexible with many functions, all machine faults can be analysed with this instruments
- 5'' Crystal clear display, easy to read even in sunshine
- Continues use at more than 12 hours battery life
- Best price-performance ratio

VIBER X5 MKIII™

Customer comments about VIBER X5 MKIII™;

"Very fast instrument starts directly"

"Very smart analysing software, best in market"

"Smart route windows, you never miss any information"

"Situation based help menu, makes the use very easy"

"Balancing is very Easy and logic to perform"

"Listening to Bearings is very useful for monitoring our conveyors"

"Extremely useful to detect and solve machine faults"

"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"

Sample of Accessories:

Current Clamp, use for measuring speed without to get close to rotating parts and makes it possible to measure frequency controlled electrical motors
Uses also for performing electrical motor test with Current Clamp and the software MCSA, (Motor Current Signature Analyse)

3-Axial sensor, with real simultaneously measurements, reduces work time up to 70%

Animation measurements using software VibShape, can be performed very easily with the 3 axial sensor, makes it faster and much easier to execute

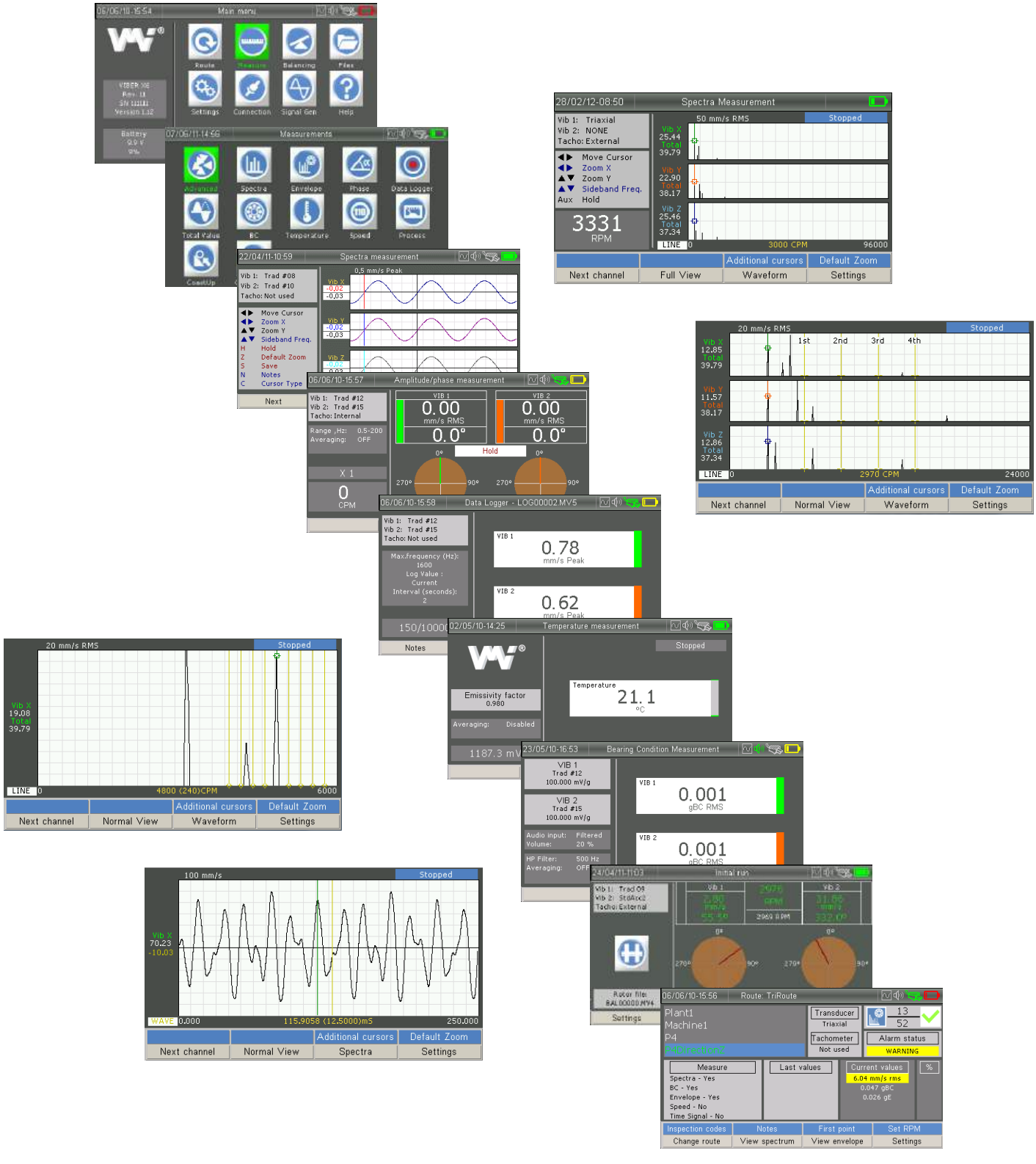
Balancing kit. Including External laser tacho (0,1 to 100 000 RPM) with 5m cable, 2 pcs 5m extention cables for transdu¬cers, fast and easy to setup magnet holder for the tacho, and a pocket scale.
The VIBER X5 MKIII™ case is already precut to fit the Balancing kit items.

VibLyze® analyzing and route Software

VIBER X5 MKIII™ is designed to work together with VibLyze®, PC software for advanced vibration analysis.

- Create routes and set alarm levels.
- Simple database structure with templates and pictures.
- A large bearing database with over 80,000 bearings, where defect frequencies can be calculated and automatically analyzed.
- Quick access to all settings for each direction directly from the trend menu.
- Three-dimensional waterfall display with all spectra simultaneously or a selected number of instancesn.
- Analysis of waveform in off-route mode with live spectrum calculation and spectrogram.

VIBER X5 MKIII™ Display Pictures



VIBER X5 MKIII™

VIBER X5 MKIII™ 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 thermal camera
- ☑ 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
- ☑ Synchronous averaging
- ☑ Bump test
- ☑ Cross Spectra

- ☐ Loop Power 4-20mA measurement
- ☐ One- and two-plane balancing kit
- ☐ Vibshape
- ☐ 3 channel simultaneous measurement
- ☐ Current clamp to measure current and indicate speed
- ☐ MCSA (Motor current Signature Analysis)
- ☐ Waveform

Technical data

Digital	**DSP Processor**	Texas TMS320C6713B	
	Memory	Storage: 4 Gb micro SD card 128 MByte RAM 2*16 MBytes fast flash memory	*Minimum spec. Actual spec. is depending on hardware revision*
	ADC	16 bit, max 192 KSPS simultaneous sampling	
Display	Size & Resolution	5” 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 0-30 V RMS	*VMI default transducers are automatically recognized*
	DC input	0 to 5 V	
	External reference	0,8 to 24 V	
Built-in transducers	Temperature	-20 to 120 °C	*Infrared*
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 32000 Hz	*Depending on transducer*
	Amplitude range	0 to 80 g	*Depending on transducer*
	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	*Three channels simultaneous sampling*
	Windowing	Selectable: Hanning, Hamming, Blackmann, Kaiser-Bessel	
Power	Accumulators	6.2 Ah Li-ion fuel gauge smart battery pack	
	Autonomy	12 hours typical use	
	Charging	4 hours typical charge time	
Temperature	Operating Storage	-20 °C to +70 °C (-4 °F to 158 °F) -30 °C to +80 °C (-22 °F to 176 °F)	

Net weight: 1,8 kg