



Brüel & Kjær Vibro



VIBROSTORE 100

Asset monitoring at the push of a button

The easy way to detect the most common machine faults

Critical machinery usually is equipped with an online protection system to avoid catastrophic damages. In most cases, operators will add online condition monitoring to be able to trend any developing fault at an early stage. **But how about semi-critical or so-called balance-of-plant machines?** It's probably too difficult and too costly to install an online monitoring system to all of them. Yet you don't want to let them run without any inspection as any sudden machine failure will undoubtedly impact the whole production process.

The ideal solution is a simple, cost-efficient handheld device that measures vibration levels and bearing wear at the push of a button. Download the readings to a PC for reporting, further analysis and trending - and you're done!

No developing fault will go undetected anymore. Plenty of lead-time to plan your maintenance activities!

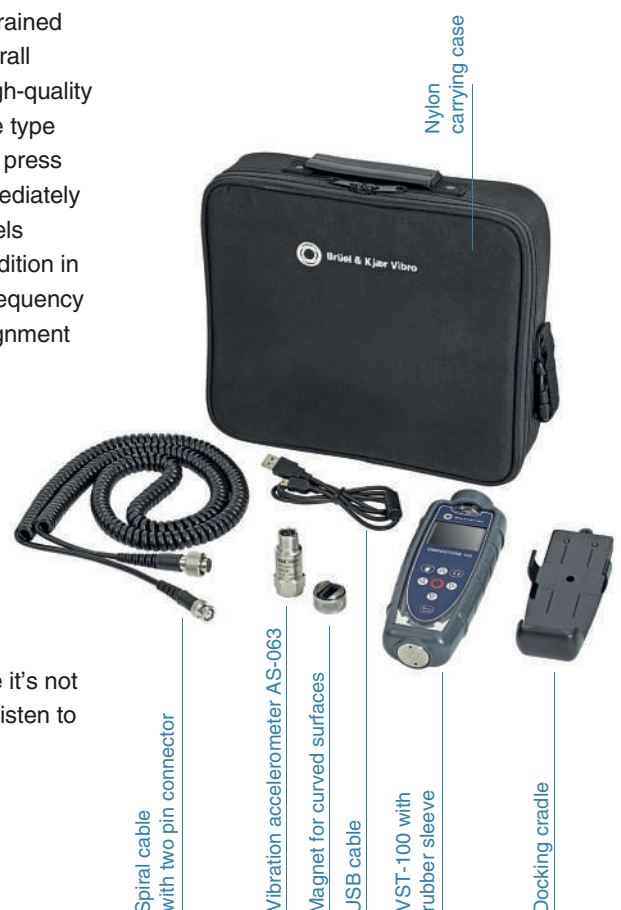
VIBROSTORE 100 (VST-100) is ideally suited for this task and fills a real gap.

This lightweight device can be used single-handedly and allows even untrained personnel to take vibration measurements and assess the machine's overall vibration condition. The instrument is equipped with a cable-connected high-quality Brüel & Kjær Vibro acceleration sensor that's already pre-set. Choose the type and size of the machine you want to monitor, enter its running speed and press one button to perform the measurement. A traffic-light coded display immediately indicates the severity of the vibration based on the built-in ISO 10816 levels (velocity in mm/s or inch/s). The main screen also shows the bearing condition in BDU and total g (rms acceleration). The display of the vibration level in frequency ranges indicates the most common machine faults like imbalance, misalignment or looseness.

For a more detailed analysis, the instrument provides spectra with up to 800 lines with zoom and cursor.

VIBROSTORE 100 comes ready-to-use in a case including a removable protective rubber sleeve. Alternatively, it fits into the docking cradle with a belt clip and a USB mini connector for data transfer to a PC.

Optional accessories include a strobe to define the running speed in case it's not available. Headphones (not included) can be connected via Bluetooth to listen to the bearing noise.



Spiral cable with two pin connector

Vibration accelerometer AS-063

Magnet for curved surfaces

USB cable

VST-100 with rubber sleeve

Docking cradle

Nylon carrying case

There is nothing like a powerful team

VIBROSTORE 100 is available either stand-alone or packaged with the Brüel & Kjær Vibro Report & Route Manager software. Together, they provide all you need for quick, reliable and cost-efficient machine health monitoring. Report & Route Manager is a very powerful and highly functional route editor and analysis software.

Set up your route, upload it to VIBROSTORE 100, perform the route-based inspection and download the results to Report & Route Manager. The data can be displayed in a variety of different ways including vibration frequency spectra, bearing noise and ISO trend plots as well as waterfall diagrams. You may also generate reports either manually or automatically.

This lightweight device can be used single-handedly in a rubber sleeve.

Report & Route Manager benefits at a glance:

- Superior reporting functionality
- Modular design
- Optimized workflow
- Advanced navigation in measurement analysis and diagnosis tools
- Fast and efficient measurement reporting
- Can be used with both VIBROSTORE 100 and the Vx-80 handheld series



VIBROSTORE 100 connects to the Report & Route Manager software on your PC via USB (or Bluetooth).

VIBROSTORE 100 at a glance

VIBROSTORE 100 is the perfect combination of high Brüel & Kjær Vibro quality and an extremely competitive pricing. Start monitoring your machines with VIBROSTORE 100 today and benefit from valuable machine data at your fingertips.

Instrument specification and scope of delivery:

Size	200 mm x 60 mm x 26 mm
Weight	280 g (magnet not included)
Environmental	
Degree of protection	IP67
Operating	0 °C to +50 °C (32 °F to 122 °F)
Storage	-20 °C to +70 °C (-4 °F to 158 °F)
Power supply	2 x AA L91 lithium-ion batteries
Frequency range	2/10 Hz to 1 kHz (ISO) 1 kHz to 10 kHz (BDU) 10Hz to 1kHz (Vibration bands)
Max frequency resolution	1.25 Hz @ 800 lines FFT setting
	Acceleration in g Velocity in mm/s (or inch/s) Bearing noise in BDU (bearing damage units) Displacement (mm, microns, mils)
Displayed frequency units	Hertz (Hz), RPM or CPM
Input range	User selectable with accelerometer sensitivity
Vibration analysis diagnostic bands (RPM = run speed)	Unbalance 1x RPM Alignment 2x RPM Looseness 3x RPM
Accuracy	+/- 5 % (acceleration: +/- 10% below 20Hz)
Languages in instrument	German / English / French / Italian / Spanish / Portuguese / Dutch / Chinese / Korean / Japanese
Accessories	Docking cradle and USB cable Protective boot Spiral cable with two pin connector Accelerometer AS-063 Nylon carrying case
Optional accessories	AC-7315 strobe attachment AC-172 magnet for flat surfaces Report & Route Manager software for VIBROPORT 100

VIBROPORT 100 is fully supported by our service and training teams.

For more information, call us at +49 6151/428-2900, send an email to sales@bkvibro.com or refer to our website www.bkvibro.com for the product specification.