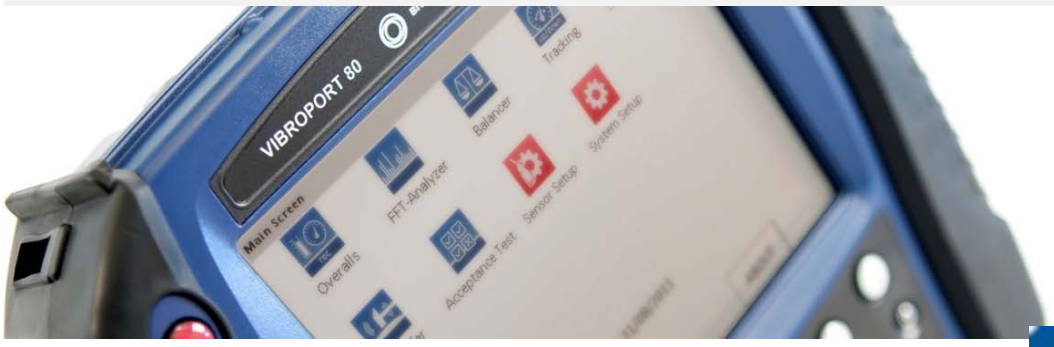
Brüel & Kjær Vibro
a spectris company

The Allrounders: VIBROPORT 80 & VIBROTEST 80



TRACKING MODULE

Order analysis is carried out during operation of the machine and serves to analyze the rotor frequency-induced vibration components and their harmonics. The tracking measurement module can be utilized for both run-up and coast-down of the machine. The new feature here is the two-step procedure:

Step 1: Recording of the raw vibration signal and the rotational speed during the run-up or coast-down.

Step 2: Post-processing of the stored raw vibration signal. The user can repeat the analysis as often as he/she wants with different setups. That is a particular advantage if a second measurement is very time-consuming (long machine coast-down times) or if the machine is critical for production and the process should not be interrupted unnecessarily.

Tracking Module

Screenshot of waterfall diagram

HIGHLIGHTS

- **Evaluation of dynamic rotor behaviour** – Uses the rotational excitation induced through the inertial force produced by the residual unbalance during shaft rotation run-up and coast-down
- **Acquisition of machine resonances** – Shown in a diagram with magnitude and phase (Bode plot)
- **Innovative two-step procedure >> Recording & post-processing** – First, the raw signal is recorded for later post-processing with different setup parameters
- **Multiple post-processing solutions** – Such as Bode, Nyquist, FFT waterfall, spectrogram and table view can be obtained with several user-definable settings for viewing the results
- **Up to 3-channel support** – Enables the user to acquire three vibration channels simultaneously from a triax sensor.

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