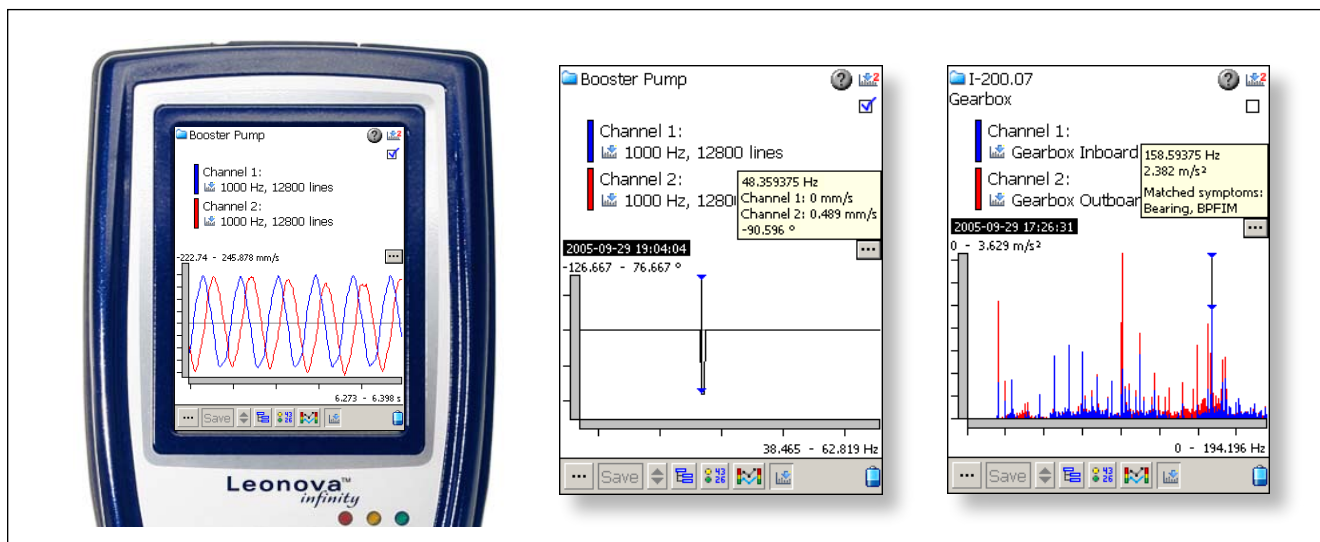


# Leonova™ Infinity – 2 channel simultaneous vibration monitoring



Two channel simultaneous vibration monitoring is a Leonova Infinity function for limited (LEO236) or unlimited (LEO136) use. It requires that either the measuring technique 'FFT with symptoms' or 'EVAM' is active. The function 'FFT with symptoms' requires the option 'Time signal' (LEO164) for possibility to display and save time signal.

This type of measurement allows the user to study machine movement in two dimensions by observing the difference of the phase angles measured on the two channels.

Measurement requires the set-up of two vibration assignments with identical parameters. The 2 channel measuring cable CAB51 is used to connect both transducers to the Leonova vibration transducer input. The procedure is the same as for the corresponding measurement with a single transducer.

After measurement, Leonova displays the RMS values for DISP, VEL and ACC for both channels. Three graphs are available for each measurement:

- Spectrum
- Phase spectrum
- Time signal (option to FFT with symptoms)

In the spectrum and the time signal, the channels are overlaid red and blue.

## Technical data

Frequency limit, lower:	0.5, 2, 10 or 100 Hz
Frequency limit, upper:	100, 200, 500, 1000, 2000, 5000, 10 000, 20 000 Hz
Envelope high pass filters:	100, 200, 500, 1000, 2000, 5000, 10 000 Hz
Measurement windows:	Rectangle, Hanning, Hamming, Flat Top
Averages:	time synch, FFT linear, FFT exponential, FFT peak-hold
Spectrum lines:	400, 800, 1600, 3200, 6400
Saving options for spectrum:	peaks only, full spectrum, time signal
Spectrum types displayed:	linear, power, PSD
Zoom:	true FFT zoom, visual zoom
Transducer types:	Vibration transducer SLD144 or IEPE (ICP®) type transducers with voltage output

As an option, the frequency range can be extended to 40 kHz, the number of spectrum lines to 12800.

## Ordering numbers

LEO136	2 channel vibration monitoring, unlimited use
LEO236	2 channel vibration monitoring, limited use
LEO139	12 800 lines, 40 kHz, option
LEO164	Time signal, option to FFT with symptoms
CAB 51	2 channel measuring cable, Lemo

