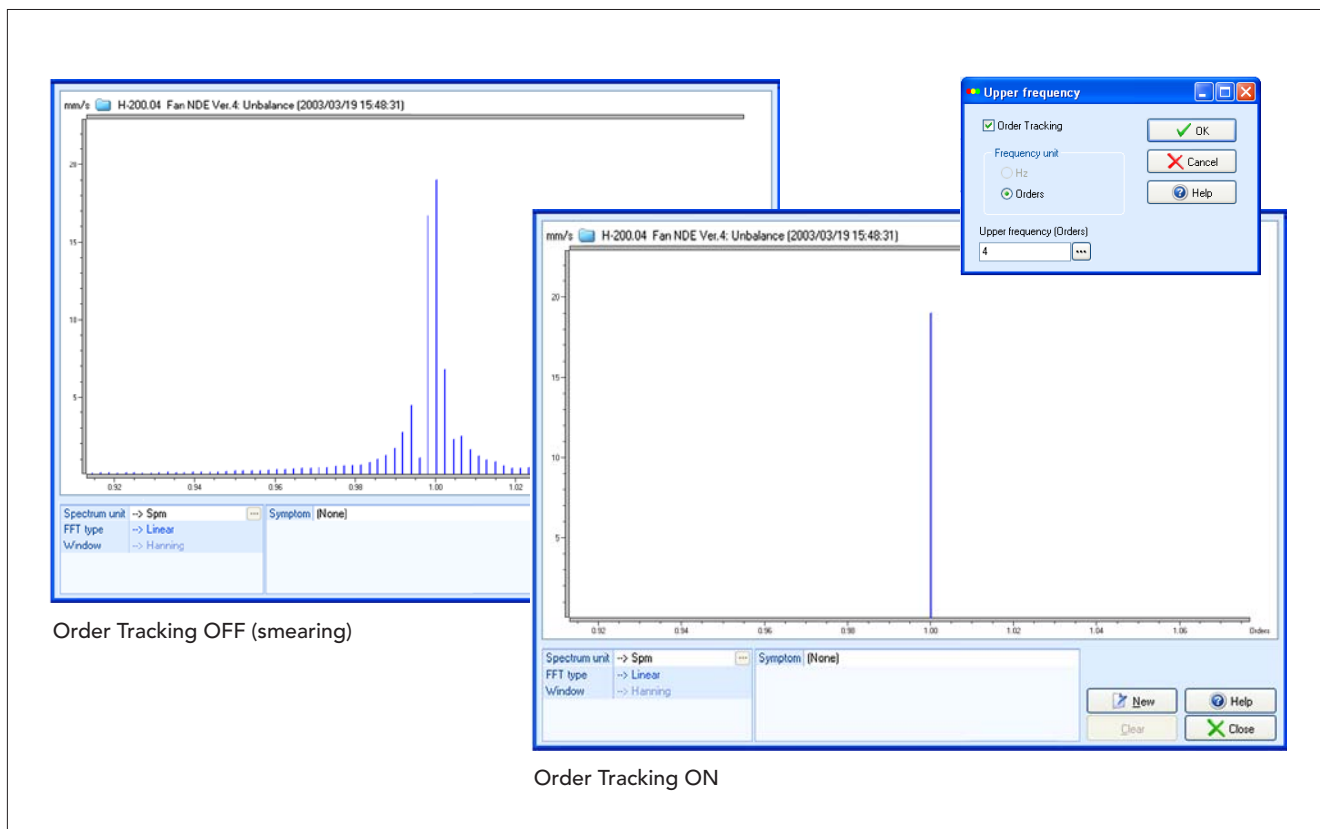


# Condmaster® Nova - Order Tracking



Order Tracking is an optional Condmaster function used with Leonova Infinity and Intellinova for vibration analysis on variable speed applications. It is an ideal technique for analysing vibration problems that are related to the rotational speed of various machine components.

The method uses multiples of running speed (orders), rather than absolute frequency (Hz) to determine the upper frequency range. A tachometer pulse from the machine is required to determine the sampling frequency.

The purpose of order tracking is to retain the line resolution (number of lines per order) even when rotational speed varies between measurements. The reference axis of the resulting spectrum is scaled in orders, i.e. multiples

of the rotational frequency. When expressed in orders, two or more spectra from the same machine can be more easily compared because the rotational speed (1x) and its multiples (harmonics) will always appear in the same spectrum position (orders), even when rotational speed varies. The results can also be displayed in a waterfall diagram.

The primary advantage of order tracking is that the selected order range will always cover the symptoms of interest and avoid smearing, regardless of running speed.

## Ordering number

MOD188 Order tracking, unlimited use

