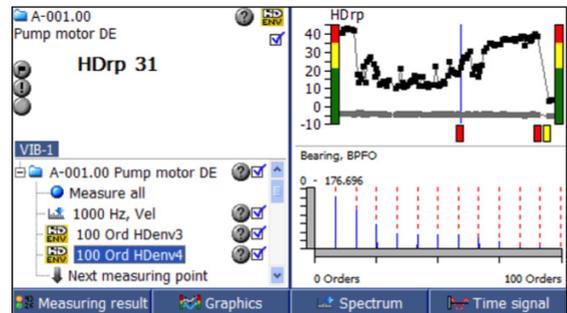


Leonova 2016 Edition

The '2016 Edition' upgrade of Leonova Diamond and Leonova Emerald offers new possibilities for vibration monitoring with a new high definition vibration enveloping technique for detection of early stage gear and bearing faults. The new version also supports a new multi-purpose accelerometer for vibration and/or shock pulse measurements.

HD Enveloping® - a new era in vibration monitoring

A new achievement in vibration monitoring technology, HD Enveloping® is an ideal complement to traditional vibration analysis. Capable of detecting at a very early stage such machine problems which are generally difficult to find in good time with conventional non-enveloping techniques - for example gear and bearing damages - the method utilizes cleverly engineered and patented algorithms for digital signal processing, preserving the true highest peak of the vibration signal. Signals buried in machine noise are revealed through high definition digital enveloping, extracting and enhancing the signals of interest from the overall machinery vibration signal.



The HD Enveloping® technique can be used with existing vibration transducer installations and thus quickly and easily integrates into existing industrial infrastructures. HD Enveloping® can be used to monitor applications in the 15-20,000 RPM range.

DuoTech® accelerometer - superior combination of HD measurement technologies

In the DuoTech® accelerometer, two of the most widely used and successful methods for monitoring mechanical condition come together: vibration and shock pulse measurement. The combination of the patented HD Enveloping® and SPM HD® measuring techniques provides maximum flexibility, enabling superior lubrication and bearing monitoring - covering the entire bearing deterioration process - as well as detection of vibration related problems.

The robust design makes DuoTech® an appropriate choice for a wide variety of industrial applications, including harsh and potentially explosive environments. For measurement with portable data collectors and analyzers, the DuoTech® quick connector version enables flawless signal transmission.



Upgrading

The upgrade process is straightforward; order a new license file from your SPM representative and download the upgrade files from www.spminstrument.com, then use the latest version of the Leonova Service program to install the upgrade.

NOTE: The Leonova '2016 Edition' upgrade requires Condmaster Ruby 2016.