



Leonova®
EMERALD



PORTABLE EFFICIENCY

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CONDITION MONITORING TECHNIQUES FOR EVERY NEED

BEARING MONITORING WITH SPM HD®

SPM HD is a new achievement in condition monitoring technology and a groundbreaking solution to problems involving condition measurement on low speed machinery.

The method is a patented evolution of the well-known and reliable True SPM® method, commonly recognized as the best method for measuring bearing condition on rotating machinery. Requiring little input data, the method measures signals from rolling element bearings and instantly evaluates the condition in intuitive green - yellow - red condition codes.

Where established methods fail, SPM HD detects deteriorating bearing condition and incipient failures with impressive accuracy and exceptional prewarning times. The perfect companion to vibration analysis, SPM HD can be used successfully on all types of machinery with rolling element bearings.

HIGH-PERFORMANCE VIBRATION ANALYSIS

Leonova Emerald® provides razor-sharp spectrums even where signals are weak and low in energy content. The excellent signal-to-noise ratio is a decisive advantage where weak signals are present among stronger signals, such as in gearboxes.

The instrument offers advanced and innovative order tracking functionality. For shock pulse and vibration analysis on variable speed machinery, the sophisticated HD Order Tracking algorithms very carefully trace RPM variations occurring during data acquisition. Measurements are thus more precise and spectrums more detailed than ever before.

The EVAM® measuring technique supplies preprogrammed evaluation models for time and frequency domain parameters. Measurement data processing, machine fault symptom computation and trending is all done in the instrument.

