



The Allrounders: VIBROPORT 80 & VIBROTEST 80



OVERALLS MODULE

The overall condition of a machine and its bearings can be evaluated by means of characteristic values. A characteristic value (overall) is, for example, the root mean square (rms) of the vibration components within a defined frequency range. These values can be compared with the operational vibration limits in accordance with ISO 10816, 7919 or those provided by the manufacturer. In addition to the vibration overall measurements, the *Overalls Module* also supports process measurements (DC measurements).



Overalls Module

HIGHLIGHTS

- **Overall values as function of speed $f(n)$ & time $f(t)$** –
Displaying the measured values over the variable speed or time in an X-Y-diagram
- **Up to 4 vibration channels plus rotational speed** –
This provides high channel density. Tri-axial measurements are also supported.
- **Two path detection per channel** – Enables the user to select two different weighting or detection parameters for a signal from a single channel. This can be, for example, the simultaneous measurement of the overall machine and the rolling elements bearing condition using both a peak and rms detection parameter in the same frequency range or the CREST-factor.
- **Signal integration** – Allows for simultaneous display of acceleration, velocity and displacement by double integration if an accelerometer is used



Screenshot of 4-channel $f(n)$

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