



# The Allrounders: VIBROPORT 80 & VIBROTEST 80



## TRANSFER FUNCTION MODULE

For modal analysis of machines with shafts that are not rotating as well as for the analysis of immovable objects such as, for example, foundations or frameworks, the impact analysis method is employed. The transfer function is determined with an impact hammer having a built-in load sensor, and is given by the ratio between the input signal (load introduced by the hammer hits) and the output signal (measured vibration).



*Transfer function Module*

### HIGHLIGHTS

- **Identifying structural resonances** – By using an instrumented impact hammer for excitation
- **Indication for relative movement of machine components** – Can be determined using Multi-Channel-Function
- **Conventional evaluation methods** – Are available and cover load, acceleration and displacement leading to various FRF (Frequency Response Function) types such as apparent mass, compliance, stiffness and others
- **Integrated coherence analysis** – Is provided by color coding directly in the bode diagram
- **Up to 3 input channels** – For tri-axial measurements



*Screenshot of 3-channel Bode magnitude*

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