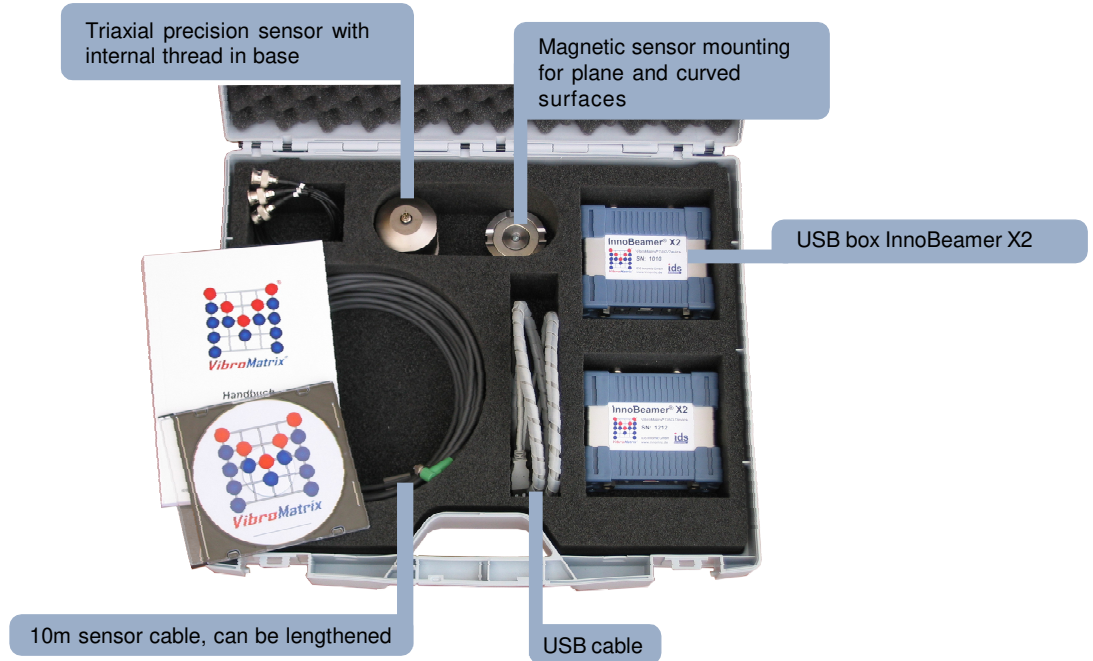


# VibroMatrix® Kit

## Vibration Measurement on Wind Energy Turbines



The VMSet-31 comes in a handy case and provides you with everything you need for the vibration measurement on wind energy turbines and their components acc. to VDI 3834.

Vibrations in all three axes can be measured simultaneously. The complete solution offers more than small hand-held units:

- The program guides you through the measurement reliably, with clear indications and graphics.
- Measured values as well as assessment (red/yellow/

green) are already indicated during the measurement.

- The innovative combined measurement saves up to 50% of measurement time without precision loss.
- Each measurement is automatically transferred to the data storage with time stamp and can be completed with your own remarks.
- The Pro version additionally offers the graphical analysis of the measurement in time and frequency domain. Thus, reasons for augmented values can be detected quickly.

	VMSet-31-1	VMSet-31-2
<b>Hardware</b>		
Sensor for Vibration Measurement	<b>Piezoelectric accelerometer, shear design (Triaxial)</b> - Sensitivity: 500 mV/g, linear frequency range: 0.07 .. 6000 Hz - Operating temperature: -30 .. 90 °C - Accessories: Clamping magnet, 10m cable, cable adapter to 3x BNC 1x	2x
	<b>Piezoelectric accelerometer, shear design (Uniaxial)</b> - Sensitivity: 100 mV/g, linear frequency range: 0.1 .. 22000 Hz - Operating temperature: -20 .. 120 °C - Accessories: Clamping magnet, 10m cable 1x	2x
USB Box for Digitization	<b>InnoBeamer X2</b> - Inputs: 2x analog for vibration sensor(s), 1x digital for photoelectric reflex switch - Signal frequency: 0.1 .. 40000 Hz - Supply current: < 500 mA with supply of all sensors - no mains adapter required - Operating temperature: -20 .. 50 °C, weight: 350 gr. - Accessories: Synchronisation cable and 1m USB cable 2x	3x
<b>Software Licenses</b>		
InnoMeter 3834 Pro	x	x