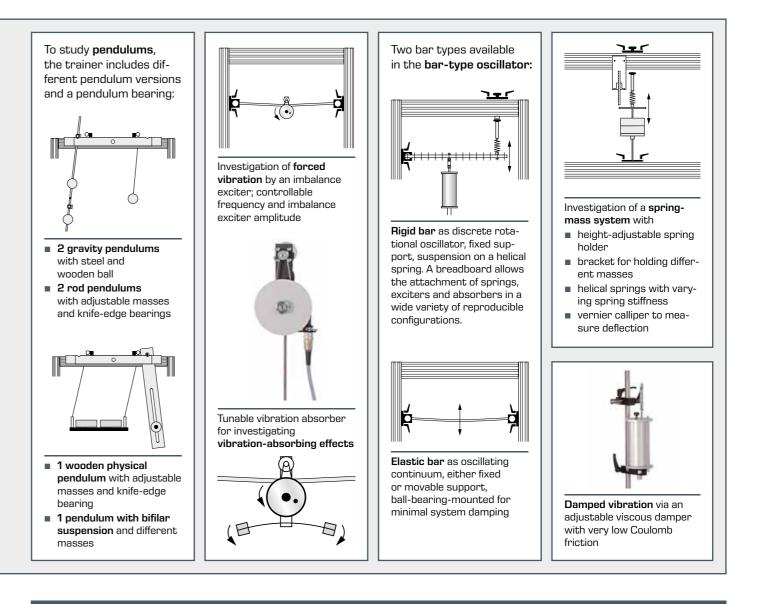
TM 150 Vibration trainer

Vibration theory requires a good understanding of mathematical and physical relations. In technical professions, knowledge of vibration theory is essential. Illustrative experiments are offered to make it easier for students to understand the principles.

The TM 150 vibration trainer developed especially for this demanding field allows conducting experiments on a variety of vibration-related topics.

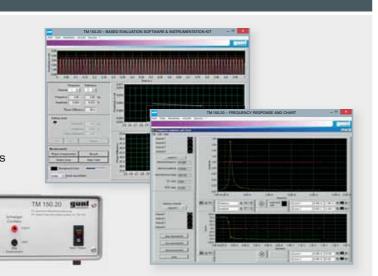
- pendulum swings
- spring-mass systems
- free and forced vibration
- damped vibrations
- beam vibrations
- dual-mass systems and dynamic vibration absorbing effects





TM150.20 System for data acquisition

- analysis of vibration signals on a PC
- frequency and phase response curves
- all principal functions of a digital storage oscilloscope
- frequency spectra of the signals
- comprising software, a displacement sensor, a reference sensor and an interface box
- the interface box supplies up to three sensors, prepares their measuring signals for the PC and offers them to three analogue outputs for display



Accessories set TM150.02



- torsional stiffness
- free torsional vibrations
- damped torsional vibrations

For technical details on the TM 150.02 unit, please see chapter 4.





Torsional vibrations play a key role in drive systems and must be controlled to avoid damage. The TM150.02 accessories set can be used to produce free and damped torsional vibrations and to study the effects of torsional stiffness, mass and damping on frequency and amplitude.

- The range of experiments includes
- mass moment of inertia
- oscillator with several masses



All parts of the system are ready at hand and securely housed in a storage system.