

## TECHNICAL DATA

# Student set Mechanics 1 digital, TESS advanced Physics

Article no: 25271-88D



## Function and Applications

Basic set allowing the performance of 32 experiments about the following topics:

- Physical quantities and characteristics (5 experiments)
- Forces (10 experiments)
- Elementary machines (9 experiments)
- Liquids and gases (2 experiments)
- Oscillations (6 experiments)

In 17 experiments, you can use the Cobra SMARTsense Sensor Force in combination with tablets (iOS and Android) and smartphones (Android) instead of the classic measuring device. In addition, the digital data acquisition provides additional didactic value in 2 experiments.

## Benefits

- The equipment set consists of all necessary components for the experiments
- Robust, stackable storage box with a foam insert fitting to the contained equipment
- The ideal combination of classic experiments and digital data acquisition
- Individual teaching structure possible: you can choose the instrument you want (classic or digital)
- Future-proof: Prepare the transition to the digital school today
- Perfectly matched to digital science lessons with tablets and smartphones
- Faster and higher learning success: The use of digital devices increases the identification and thus increases the motivation of the students
- Real tripod material for a particularly stable and therefore safe construction
- Student-friendly instructions including protocol questions

## Equipment and Technical Data

- Cobra SMARTsense Force: Measuring range:  $\pm 50$  N, resolution: 30 mN, sampling rate: 800 Hz

Scope of delivery

Student set Mechanics 1, TESS advanced Physics	25271-88	1
Cobra SMARTsense Force & Acceleration - Sensor for measuring force and acceleration $\pm 50\text{ N}$ / $\pm 16\text{ g}$ (Bluetooth + USB)	12943-00	1

Necessary accessories

TESS advanced Mechanics 1 consumables for 10 groups	13450-88
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Recommended accessories

USB quick charger with 8 USB ports	07934-99
Carrying system for student experiment boxes	25200-00