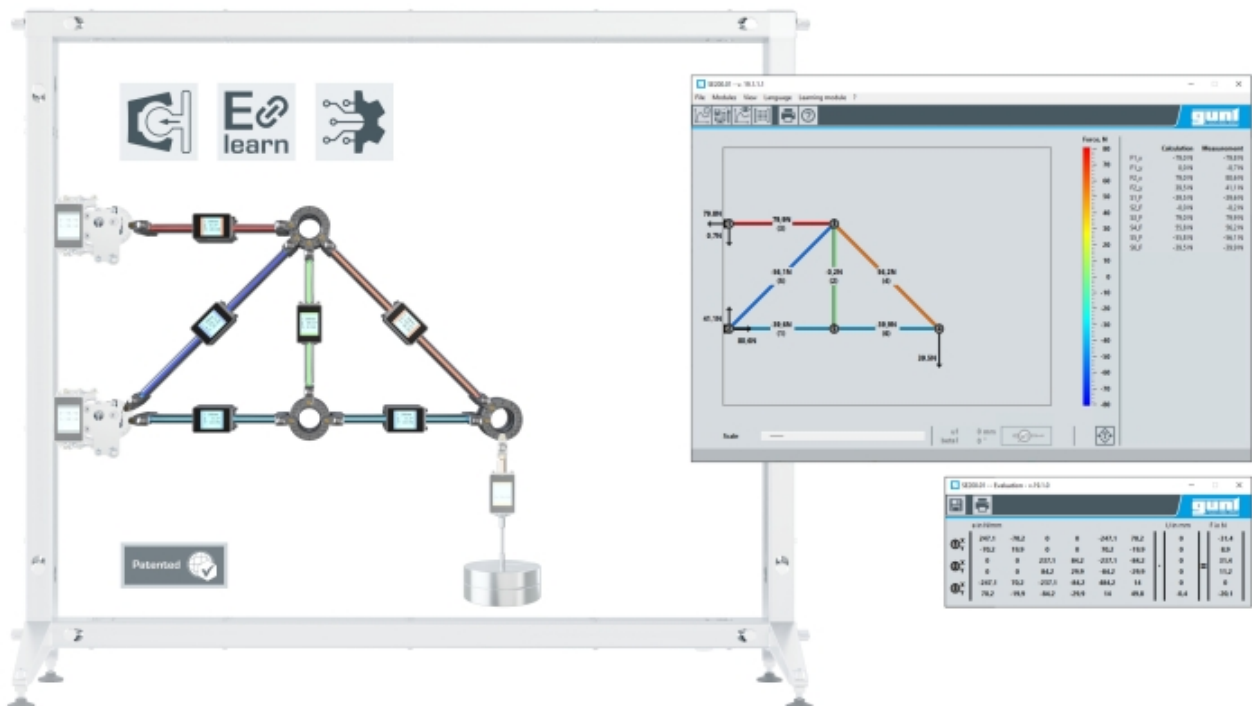


SE 200.01 MEC - Forces in trusses

Order code: 5201.02220001



Information about product price on demand

Parameters

Quantitative unit

ks

The GUNT SE 200.01 MEC

Is an advanced educational module that enables precise measurement and analysis of forces within truss structures.

Trusses are bar structures where the bars are subject only to compressive or tensile stress, not bending.

This system is ideal for studying the behavior of trusses under various loading conditions.

Key Features:

- **Smart, Communication-Enabled Bars:** The system includes various smart bars equipped with electronic modules for data acquisition and real-time display of measured values.
- **Wireless Setup:** The experimental arrangement is set up in the SE 200 mounting frame, which provides direct and wireless data transmission and power supply for the smart components.
- **Click System:** Features a click system for simple, quick experimental setup without the need for cabling.
- **Multimedia Instructional Materials:** Comes with multimedia instructional materials, including PDFs, CAD files, STEP files, and videos.
- **Online Access:** Provides online access to the GUNT Media Center for additional resources and support.

Technical Data:

- **Mounting Frame Dimensions:** 600 x 400 x 590 mm
- **Weight:** Approximately 25 kg
- **Max Load Capacity (per bar):** 50 N
- **Bar Material:** Aluminum alloy (for strength and light weight)
- **Frame Material:** Powder-coated steel (for maximum stability and durability)
- **Force Measurement Range:** 0 - 200 N
- **Angle Measurement Range:** 0 - 180°
- **Protection Class:** IP20 (for standard use in laboratory conditions)
- **Power Supply:** 5V DC via USB or adapter (included)
- **LED for Force Display:** Each bar has 2 LEDs for color-coded force display
- **Force and Angle Display:** Each bar has a display for measured force and angular position
- **Node Disks:** 3 pcs, outer connection positions: 16, inner connection positions: 1

Required for Operation:

For optimal use of this kit, **accessories from the GUNT MEC Line series are required.**

This system needs a compatible mounting frame and other related components from this series, which are not included but available separately.

Package Contents:

- SE 200 Mounting Frame
- Smart Bars for Force Measurement, including:
 - 1x bar extension (adjustable length)
 - 2x bars (424 mm)
 - 4x bars (300 mm)
 - 1x bar (259 mm)
 - 2x LEDs for force display on each bar
 - Force and angle display on each bar
- Power Adapter (5V DC)
- USB Cable for Power Supply
- Node Disks (3 pcs)
- Multimedia Instructional Materials (PDFs, CAD Files, STEP Files)
- User Manual