

SE 200.24

MEC - Vertical load



Specification

- [1] smart, communication-enabled component: load with electronic module for data acquisition and measured value display
- [2] vertical loading of various experimental setups
- [3] can be installed in a node disk or a load holder via click system
- [4] various weights included in scope of delivery
- [5] automatic identification and assignment of the load during setup and experimentation
- [6] measurement of force
- [7] measured value displayed directly on the vertical load and in the respective GUNT software

Technical data

Weight

- max. weights: 3
- weight force: 20N per weight

Measuring ranges

- force: 0...200N

LxWxH: 600x400x200mm (storage system)

Weight: approx. 10kg (total)

Required for operation

Accessories from the GUNT MEC Line series

Scope of delivery

- 1 hanger
- 3 weights
- 1 storage system with foam inlay

Description

- **smart, communication-enabled component with force measurement**
- **different weights to generate vertical loads**
- **Plug&Play: wireless and digital connection of components, automatic identification of position**

The design of trusses and bridges requires consideration of the subsequent loading during use. Load units, loads with a Gray code or this vertical load can be used to load the experimental setups within the MEC Line series.

The SE 200.24 vertical load can be used for various experiments in combination with other accessories and is one of the smart, communication-enabled components. The experimental setup and the mounting frame provide direct and wireless data transmission and power supply.

The vertical load is attached to one of the node disks or a load support in the experimental setup. It hangs vertically so that the load is applied solely by weight. The resulting weight force is varied by the weights being applied.

The vertical load is equipped with an electronic module. In experiments, the forces are measured and displayed as a measured value both directly on the vertical load and in the GUNT software. The GUNT software identifies the position of the vertical load used and the weights and reacts dynamically to changes. The visualisation in the software always corresponds to the actual experiment setup. The measured values are analysed in real time. All components of the vertical load are clearly laid out and well protected in a storage system.

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Required accessories

SE 200	MEC - Frame digital & smart
SE 200.01	MEC - Forces in trusses
and / or	
SE 200.05	MEC - Cable forces and pulley blocks