

# SE 200.25

## MEC - Load



### Description

- smart, communication-enabled components for loading bridges and beams
- combine multiple single loads
- position detected via Gray code reader
- Plug&Play: wireless and digital connection of components, automatic identification of position

Single loads and distributed loads can be used alone or in combination to load the bridge structures and beams within the MEC Line series.

The SE 200.25 load can be used for various experiments in combination with other accessories and is one of the smart, communication-enabled components. The data transmission and power supply of the intelligent components is done directly and wirelessly via the experimental setup and the mounting frame.

The load is placed at one of the points in the snap-in system of the roadway and automatically detected. Distributed loads can be generated by combining several loads. The load can be used to create a moving load in conjunction with the GUNT software. Depending on the length of the roadway, different numbers of loads can be placed on it. The load is equipped with an electronic module. The exact position on the roadway is recorded by means of a binary code (Gray code).

In experiments, the position is displayed directly on the load. The load force is displayed in the GUNT software. The visualisation in the software always corresponds to the actual experiment setup. The measured values are analysed in real time. The load is clearly laid out and well protected in a storage system.

### Specification

- [1] smart, communication-enabled components: 5 loads with electronic module for data acquisition and measured value display
- [2] loading of bridges and beams with single loads
- [3] possible to combine several single loads or with SE 200.26 distributed load
- [4] together with the GUNT software: representation of a moving load
- [5] snap-in system for simple, fast experimental setup without cabling
- [6] exact position detection via binary code (Gray code reader)
- [7] automatic identification and assignment of the load during setup and experimentation
- [8] position displayed directly on the load
- [9] display of the load force in the respective GUNT software

### Technical data

#### Load

- quantity: 5
- mass per load: 750g
- Gray code reader (binary code) for position detection and transmission to the GUNT software
- detectable positions: 16 (4 bit)

LxWxH: 600x400x200mm (storage system)

Weight: approx. 5kg (total)

### Required for operation

Accessories from the GUNT MEC Line series

### Scope of delivery

- 5 loads
- 1 storage system with foam inlay

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Required accessories

SE 200	MEC - Frame digital & smart
SE 200.02	MEC - Forces on a suspension bridge