

SE 200.26

MEC - Distributed load



Specification

- [1] smart, communication-enabled component: distributed load with electronic module for data acquisition and measured value display
- [2] loading of bridges and beams with distributed loads
- [3] possible to combine with multiple distributed loads or with SE 200.25 single load
- [4] snap-in system for simple, fast experimental setup without cabling
- [5] exact position detection via binary code (Gray code reader)
- [6] automatic identification and assignment of the distributed load during setup and experimentation
- [7] position displayed directly on the load
- [8] load force displayed in the respective GUNT software

Technical data

Distributed load

- quantity: 3
- mass per distributed load: 2250g
- Gray code reader (binary code) for position detection in the GUNT software
- detectable positions: 16 (4 bit)

LxWxH: 600x400x200mm (storage system)

Weight: approx. 10kg (total)

Required for operation

Accessories from the GUNT MEC Line series

Scope of delivery

- 3 distributed loads
- 1 storage system with foam inlay

Description

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

To investigate the support forces as a function of the roadway load, bridge structures within the MEC Line series can be loaded with distributed loads.

The SE 200.26 distributed 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 distributed load is placed at one of the points in the snap-in system of the roadways and automatically detected. Depending on the length of the roadway, different numbers of distributed loads can be placed on it. The distributed load can be combined with one or more single loads, SE 200.25. The exact position on the roadway is sent to the GUNT software by means of a binary code (Gray code).

The distributed load is equipped with an electronic module. 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 distributed load is clearly laid out and well protected in a storage system.

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Required accessories

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