Vogel & Plötscher

Rail profile measurement devices

# HMG

## Laser guided frog measuring system

Rail-profile

Laser guided

Digital

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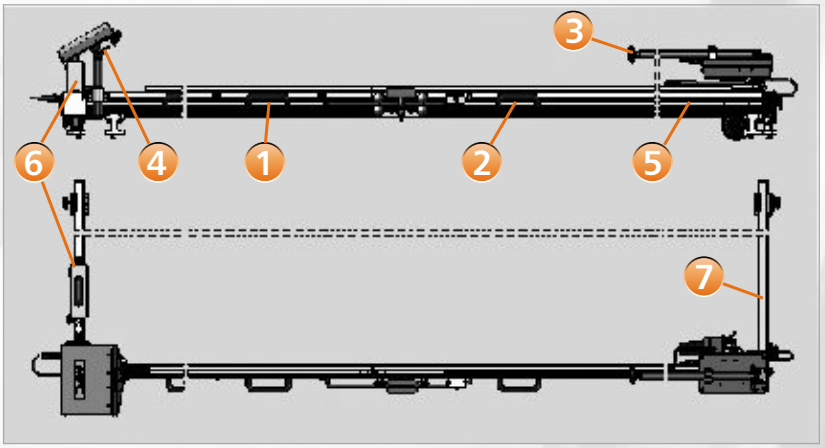
## Operation

The HMG determines the geometry of the frog in relation to a specified target profile. An optical chord of 3 m length set by laser is used as a reference line. The data capture is carried out by a measuring unit with a vertical moveable roller. Because of this all influencing geometric parameters such as gradients, curves and amplitudes are considered during the measuring process. Thus offers a complete and detailed evaluation of the frog's condition and wear.

## Features

- Digital laser guided measurement
- Entire evaluation of the frog geometry
- Superior frog condition survey
  - extended exposure times
  - effective cost saving




## Overview

1. Guiding part (left) incl. extension arm and laser
2. Guiding part (right) incl. measuring roller
3. Slide rod
4. Outdoor notebook MPC
5. Electronic unit
6. Power supply
7. Additional extension arm

## Technical data

| | Effective range* | Resolution* |
|---|---|---|
| Distance | 2930 mm | 0,2 mm |
| Receiver | 18 ± 0,5 mm | 0,02 mm |
| Cant sensor | ± 1.5° (max. ± 9°) | 0,001° |
| | **Assembled** | **In transport case** |
| Length x width x height | 3300 x 1700 x 500 mm | 1670 x 340 x 290 mm |
| Weight | 33 kg | 44 kg |

** Values acc. to testing conditions*

## Scope of supply

- Frog measuring device HMG incl. laser and power supply
- Outdoor notebook MPC
- Case for transport and safekeeping
- Data capture software HMGcatcher
- Graphic evaluation software HMGviewer
- Data interface to MS Excel

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