



**Dynamic weighing system for railway wagons**  
legal for trade



# Dynamic weighing system for railway wagons legal for trade

## The dynamic weighing system DYNARAIL measures the weight of driving railway wagons.

The automatically detected wagon types will be assigned with the respective wheel and axle loads, which guarantees a detailed and precise weighing procedure.

The short handling time of railway wagons to be weighted meets the highest requirements regarding profitability and process safety and are nowadays an integral part of a modern industry and railway company.

### Technical Data:

Max. axle load	30t
OIML R 106-1, classes	0.2, 0.5, 1, 2
Temperature range	-30°C – +70°C
Scale interval	20kg, 50kg, 100kg, 200kg
Weighing speed	0 – 30km/h
Passing speed	unlimited
Measuring direction	both
Rail profile type	all
Roadbed	gravel or fixed

### Features

- Automatic dynamic weighing procedure
- Legal for commercial applications
- Legal for trade
- Measurement protocol containing wagon weights, wheel loads, axle loads, velocity etc.
- Alarm system in case of unbalanced load and overload situations

### Components

- Two rails equipped with sensors
- Electronic interface for signal processing
- PC for data processing, display, printer
- Measurement software "DYNARAIL"

### Installation

The existing rail elements will be cut out and removed. The measuring bars will be tight-fitted on existing wood or concrete sleepers and connected by welding with the existing rail in the field. The measuring bars are protected by a heavy steel cover against shock, dust and moisture.

The complete installation is shielded against thermal and electro-magnetic influences.



DYNARAIL concrete sleepers



DYNARAIL fixed track



DYNARAIL with 8 sensors, wooden sleepers