Dynamic wheel impact load control system
WILOC determines the wheel loads of multiple and articulated trains also of single wagons and locomotive before they will be put into circulation.

In combination with a measuring track, geometric logs, wheel loads, axle loads and vehicle mass can be defined.

WILOC is a powerful instrument used by railway car manufacturers and maintenance workshops.

**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
- Roadway: gravel, fixed or elevated
- Conformity: DIN 27201, DIN 27202, EN 15654, DIN EN 50215

**Features**
- Automatic dynamic weighing procedure for whole composition or single wagon
- Database with records of wheel and axle loads, vehicle mass, number of axles, speed, etc.
- Customized measurement procedure
- No gap between the track and the measuring rails
- Legally approved for commercial application
- Combinalbe with IDENT, automatic wagon identification

**Components**
- Two rails equipped with sensors
- Electronic interface for signal processing
- PC for data processing, display, printer
- Measurement software WILOC

**Installation**

The Sensors can be mounted on an existing track section or be welded as measuring bars in the track leaving no gap between them. The measuring bars are protected by a heavy steel cover against shock, dust and moisture. The complete installation is shielded against thermal and electromagnetic influences.