

PORTABLE STATIC/ DINAMIC WAGON WEIGHING SYSTEM



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ASCO RAIL sp. z o.o.

ul. Wielowiejska 53, 44-120 Pyskowice
POLAND

T: +48 32 230 45 70

F: +48 32 233 21 34

export@ascorail.pl www.ascorail.pl



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Measurement of the actual pressure which each wheel exerts on the rail is required for a periodic inspection and adjustment of the rail vehicle suspension and the check of uniformity of load distribution, as well as examination if the load exceeds the permissible axle load or to determine the weight of the cargo load.

Offered by Asco Rail weighing train scale provides testing to the full extent required for the operation and maintenance of rail vehicles, without any track or rail modifications.

The system can be expanded at any time by the implementation of additional weighing units, without a need for additional control units, so the work effectiveness can be improved even more. By its size, the weighing system can be handle and installed by only two workers.



Portable Wagon Weighing system is designed for weighing different types of rolling stock such as locomotives, tractive units, wagons, undergrounds and trams. The system is a modular one and can be designed for static or in move weighing of the rolling stock.

FEATURES

- Complex type: portable system can be transported and installed at different measuring locations,
- Measurement of weight of each wheel,
- Measurement of weight of each axle,
- Measurement of weight of wagon,
- Wheel load variance measurement,
- Data transfer format.

COMPONENTS

- Modular measuring system equipped with sensors for each axle,
- Industrial PC for data processing,
- Analysis software ASCO RAIL.

CHARACTERISTICS	DATA
Max. wheel load	150 kN
Speed of the passing rolling stock	up to 5 km/h
Measuring cell length	120 mm
Measuring direction	both
Measurement accuracy	+/- 0,5% in rage of 30 mm from the load cel axis +/- 1,0% in rage of 30-60 mm from the load cell axis
Accuracy of load monitoring (wheel on rail)	± 2%
Rail profile type	all
Power supply	Built in batteries, 8 hours of continuous work



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