RAILWEIGHT

STREAMLINE

A cutting-edge, cost-effective, and rapidly installable weighing solution that provides unparalleled accuracy.

Streamline, the industry leading weighing transducer from Railweight, is used for the accurate weighing of high-speed trains, providing reliable weight measurements in seconds.

Streamline can be installed in your existing Railtrack (subject to minimum size rails)

FUNCTIONALITY

The Streamline transducer's innovative design, which is protected by an international patent, is essential for providing a cost-effective, dependable, and OIML compliant solution that ensures accurate and repeatable train weighing.

Streamline utilises 'Twin Strip Technology' to accurately measure the vertical forces of train wheels as they pass over the transducers, while disregarding any horizontal or torsional deflections. When connected to a weight processor, the signals obtained from up to eight pairs of Streamline transducers are successfully converted into weight.

Potential dimensional imperfections in the fixing method or the rail itself can distort the transducer, however, Streamline's unique design ensures that these imperfections do not affect the accuracy of the main measurement.

BENEFITS

Streamline's capability to provide accurate wheel weights allows freight operators to easily detect imbalances and overloads, guaranteeing safety and preventing costly fines.

Data from Streamline can be used to analyse the weight of trains, determine the amount of cargo being transported, and track the health of the railway system. This data can be used to make informed decisions about the performance, maintenance, and safety of the rail network, as well as providing valuable insights into the cost-effectiveness of operations.

APPLICATIONS

- The gross weighing of trains on mainline tracks running at speeds of up to 100km/h (depending on application and desired accuracy requirements)
- Determining gross, tare and net weights at speeds allowed in shunting yards and sidings
- Recognising mixed types of rolling stock with various numbers of axles – without operator intervention
- Detecting damaging overloaded wagons, axles and wheels
- Detecting imbalanced loads (end-to-end and side-to-side)
- Enhancing the transfer of train weight information to a central computer for further processing and analysis

KEY FEATURES

- Integrate with any Automatic Vehicle Identification (AVI) system to monitor an entire rail vehicle fleet automatically from a head office, terminal, or network hub
- Installed quickly and with minimal disruption to rail traffic as sections of the track do not need to be removed or relocated
- Improve safety by identifying imbalances and overloading
- Reliable and durable, with no moving parts and low maintenance costs
- Conforms to Legal for Trade, OIML R60 and R106 requirements
- Meets international environmental standards
- Internationally patented design

ACCURACY CLASS (OIML R60)	D
Capacities (Emax)	Up to 18,000kg
Max no. of divisions	500
Minimum verification interval Vmin	50kg
Typical maximum safe overload	150%
Minimum speed of weighing	0.1km/h
Maximum speed of weighing	100km/h
Certified temperature range	-10°C to +40°C
Operating temperature range	-40°C to +70°C
Storage temperature range	-40°C to +80°C
Environmental protection rating	IP67
Rail types	Greater than 47kg

Streamline is an addition to the range of industry leasing products and services offered world-wide by Railweight.

For more information or to request a demo, please contact Railweight at:

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