Streamline

advanced train weighing systems

A new technological approach to train weighing, providing an accurate, cost effective, and quick to install weighing solution like no other.

Train weighing solutions are available in many forms including high accuracy in-line systems for precision trade approved measurement at high speeds to lower accuracy bolted transducer methods which offer basic check-weighing solutions but traditionally prove unreliable, inaccurate or fall short of satisfying all customer needs.

Patented design

The Streamline transducer's unique design is internationally patented and is key to a solution providing an affordable, reliable and OIML compliant product ensuring trains are weighed accurately again and again.

From a name you can rely on

Streamline is a Railweight product, from the same stable as the World renowned "Weighline" in-line train weighing system. Designed and manufactured at its head office in the UK, Streamline is an addition to the range of products and services already offered world-wide by Railweight.

Providing fast installation

Streamline is installed directly without the need to remove or move sections of track. This ensures installation time is fast and keeps rail traffic interruptions to a minimum.

Safety conscious features

Through its ability to provide actual wheel weights, Streamline helps to identify imbalance and overloading ensuring safety and avoiding financial penalties.

Fully automatic operation

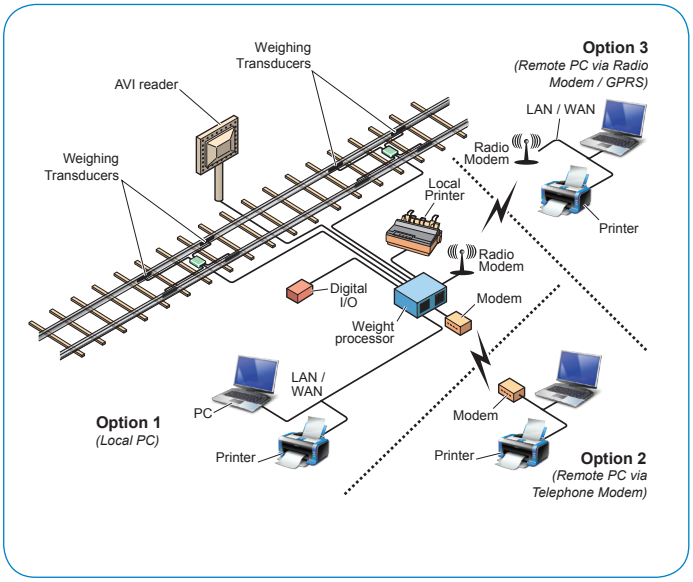
The system can be integrated with any Automatic Vehicle Identification (AVI) system – enabling you to monitor an entire rail vehicle fleet automatically from a head office, terminal or network hub.

Low maintenance costs

Streamline is reliable and extremely durable. It contains no moving parts meaning the system can be put onto a low maintenance schedule from day one.

OIML approved

Streamline conforms to OIML R60 and R106 requirements and meets international environmental standards.



Description

Streamline uses "Twin Strip Technology" to ignore horizontal and torsional deflections and only measures the vertical forces of train wheels as they roll over the transducers.

Up to four pairs of Streamline transducers can be installed to measure the forces and when connected to a weight processor, convert the signals into weight. When fixing the device onto the rail, dimensional imperfections in the fixing method or the rail itself may result in the distortion of the transducer. Streamline's unique design absorbs these imperfections without effecting the main measurement.

RAILWEIGHT

Streamline weighing systems applications

Streamline meets the needs of the following Railway industry applications:

- Gross weighing of trains on mainline tracks at running speeds of up to 25km/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).
- Transmitting train weight data to a host computer for further processing.

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	25km/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	47kg to 68kg, 56E1/113RE, UIC54, UIC60, 115RE, 132RE, 136RE

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