

Streamline Features and Benefits



FEATURE	BENEFIT
Transducer installation: <ul style="list-style-type: none"> Streamline transducers are installed onto existing sections of track without the need to cut, weld or replace the rail. 	Ensures minimum downtime of rail track and keeps installation costs to a minimum. Transducer repair and replacement also considerably faster.
Protection: <ul style="list-style-type: none"> Streamline transducers are protected to IP67 	Provides the necessary protection of the transducer rails for a variety of installation conditions.
Temperature compensation: <ul style="list-style-type: none"> Streamline transducers are temperature compensated at the factory and can operate at temperatures between -20°F (-28°C) and +120°F (+49°C) The electronic equipment operates between 32°F (0°C) and 86°F (+30°C) 	Enables operation of the system across a wide range of environmental conditions worldwide.
Speed: <ul style="list-style-type: none"> Streamline is the fastest "Bolt On" trade approved train weighing system in the world In motion weighing speeds tested up to 15mph (25km/h) Unlimited non - weighing train traffic speeds Detects and prints out weighing speed 	Enables weighing at high speeds and does not require non weighing traffic to reduce speeds through the weighing area.
Concrete Base: <ul style="list-style-type: none"> No concrete base is required 	Reduces installation costs and hence total cost of ownership.
Ideal total length of straight track: <ul style="list-style-type: none"> 196' (60m) before and after weighing area. 	This ensures installation performance provides meets with the standards of an internationally recognised body.
Track Gradient: <ul style="list-style-type: none"> Lengthwise 4% and crosswise max. 0.07" (2mm) super evaluation. Vertical displacement under load: 0.19" (5mm). 	This ensures installation performance provides meets with the standards of an internationally recognised body.
Car Imbalance Detection: Dependant on the instrument used, vehicle imbalance can be measured and reported <ul style="list-style-type: none"> Side to side End to end (truck to truck) 	Provides additional information on loading characteristics for safety reasons.
Overload detection: Dependant on the instrument used, vehicle overload can be measured and reported <ul style="list-style-type: none"> Overloaded cars are identified and brought to the attention of the system operator. 	Improves track and car safety to ensure overloaded vehicles are prevented from travelling.

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Avery Weigh-Tronix

<p>Over-speed detection: Dependant on the instrument used, vehicle overload can be measured and reported.</p> <ul style="list-style-type: none"> The system detects and indicates speeds above the set maximum speed for the accuracy desired and aborts weighing to avoid recording of wrong weight data. 	<p>Ensures vehicles are weighed within the approved tolerances of the system and therefore remain within legislative requirements.</p>
<p>Automatic Vehicle Recognition: Dependant upon the instrument used, the system is capable of weighing operating freight and tanker cars with up to 12 axles by a specially developed process called "Track Logic". Track Logic:</p> <ul style="list-style-type: none"> Identifies different types of cars and locomotives without intervention of operator Automatic elimination of locomotive weight 	<p>The system is highly flexible and capable of recognising most rail vehicle types. This provides an automatic method of vehicle recognition, meaning operator input is reduced to a minimum.</p>
<p>Automatic Vehicle Identification (AVI):</p> <ul style="list-style-type: none"> The system is capable of combining weighing with Radio Frequency Automatic Vehicle Identification for fully automatic operation and real time monitoring purposes 	<p>Provides the ability for full automation of train weighing and identification, interfacing to Industry Standards.</p>
<p>Liaison with host computer:</p> <ul style="list-style-type: none"> The system can be linked to a computer using an AWTX Standard Communications Protocol. 	<p>Provides additional data management capabilities for reporting and archiving.</p>
<p>Remote operation:</p> <ul style="list-style-type: none"> The system can be operated from a remote location by using line drivers (modems) and a dedicated telephone line. Alternatively, AWTX can supply radio modems for remote operation, eliminating cables, cable ducting and cable installation costs for distances of 0.5mile (1km) or over. 	<p>Enables installations to transmit data to a PC at a remote location and also be diagnosed for operational performance without the need for an operator to visit the site.</p>
<p>OIML Approved Transducers, (Certificate of Conformity).</p> <ul style="list-style-type: none"> Streamline is the only "Bolt On" train weighing solution in the world to have an official Certificate of Conformity as per O.I.M.L. R-60. 	<p>The transducer rails will provide a standard of performance required by an internationally recognised body.</p>
<p>Weighing accuracy (certified by O.I.M.L. Certificate of Conformity)</p> <ul style="list-style-type: none"> In accordance to O.I.M.L.-R106 (Organisation Internationale de Métrologie Légale) Class 1 per car and Class 0.5 per total train weight at speeds up to 3mph (5km/h) 	<p>High accuracy means highly accurate weight data for commodity traceability and accountability.</p>
<p>European Trade Approval:</p> <ul style="list-style-type: none"> The system is approved for trading by official Metrology Authorities in many countries and has Certificate of Conformity by the Organisation Internationale de la Métrologie Legale (OIML). 	<p>The system will provide a standard of performance required by an internationally recognised body.</p>

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