

A stylized world map is the background of the entire page. The map is composed of solid colors: dark blue for the continents and a lighter blue for the oceans. A diagonal line runs from the bottom left towards the top right, separating the map into two main color zones: a dark blue zone above and a yellow zone below. The text is positioned in the upper right and lower right areas.

Air-Weigh®
Onboard Load Management Systems

Load-Smart™
2010 Product Guide
A true onboard axle weight scale



Welcome

Thank you for your interest in the new Air-Weigh Product range, the new 2010 series has been designed, developed and packaged for both OEM and retrofit installations.

Through the use of on-board scales, companies can improve profits while reducing wasted fuel, overall emissions and vehicle wear associated with wasted out-of-route miles. Air-Weigh scales improve operations in the transportation industry and benefit the greater community through improved safety, reduction in road and bridge damage, improved fuel use, and overall company vehicle efficiency.

Give your driver the tool to help avoid vehicle overload situations which can also make your vehicle unstable, difficult to steer and have an effect on braking distances.

Air-Weigh are constantly researching and developing new products in order to continue innovation, to be able to offer the most recent technology in digital weighing systems. Whether you are looking for a full weighing solution for tractor-trailers, rigid chassis applications, a simple in-dash scale, or just a payload scale, Air-Weigh has an application for you.

"Load Smart load safe"



Air-Weigh 5802 Trailer Scale



Air-Weigh 5800 In-cab display



LoadMaxx™



Air-Weigh Scale Features

A modular system that you can build to your vehicle or fleet requirements to multiple vehicle applications and transport sectors from 3.5 to 44 tons & more.

Integration with OEM onboard computers is also possible using selectable Canbus options such as J1939 including GPS back office systems. Multiple alarm features that can alert axle overload, GVW reached or overloaded, payload picked up or despatched including constant live monitoring of steer axle weight on rigid chassis to alert if load implied is under twenty percent of GVW.

Easy To Operate

The on screen menu makes Air-Weigh systems simple to set up, calibrate and use.

Just select calibration from the menu, then enter the empty axle weights when the vehicle is unladen, and enter the loaded axle weights when the vehicle is fully laden.

Calibration and other data can also be PIN protected if required.

Once calibrated the in dash screen will display axle weights, GVW & payload including trailer axle weights depending on vehicle configuration.

Telephone or on site calibration assistance is also available.

Three Year Warranty

Air-Weigh digital onboard scales are covered by a 3 year limited warranty.

Air-Weigh vehicle sensors are covered by 1 to 3 years limited warranty

Product Details

Calibration	Dual-Point, PIN-protectable
Display	Integrated digital LCD display
Language	English, French, Spanish, German
Units	Pounds or Kilograms; user selectable
Alarm	Warning and overweight alarm outputs
Operating Temperature	-40 to +85 C -40 to +185 C
Sensors	Air/Hydraulic/Loadcell Deflection in Various configurations
Power	9 to 32 V dc



LoadMaxx™

LoadMaxx: State of the art hardware and software technology in the cab and at your fingertips. With a choice of Canbus data options this onboard system is packed with weighing and safety features.

New improved software and sensor options include individual axle weights including lift axles and a unique twenty percent steer axle under load alarm, a new and very important vehicle safety feature to assist in loading and unloading vehicles correctly safely and legally.

The LoadMaxx vehicle load data can also be relayed to a vehicle compaction unit, if the vehicle load is not distributed correctly by under loading the steer or overloading the rear axles this signal can be used to alert or automatically move the compaction blade to avoid a potential overload offence. The GVW alarm signal can also be used to shut down compaction when the GVW weight is approaching.

To increase accuracy and stability an inclinometer input is also available. LoadMaxx can also be integrated to other onboard computers such as the vehicles own in dash display by vehicle OEM's. Other inputs available include onboard GPS location and tracking systems or dynamic bin ID weighing systems.

Multiple automatic trailer recognition and axle weight data is also a feature for the HGV sector.

LoadMaxx can be installed as a retro fit or production specification.

LoadSmart™

Typical system accuracy ± 0.5 to 5% of fsd depending on suspension type and class of vehicle

Features / Options

LoadMaxx

Steer drive axle weights	✓
GVW & Net	✓
Printer option	✓
Vehicle/load tracking interface	✓
Multiple alarm outputs	✓
Axle load data to other OBC's	✓
RS232 data interface	✓
J1939/Can interface	✓
Compaction cut off	✓
Inclinometer option	✓
20% front axle alert	✓
individual axle weights	✓
Lift axle weight display	✓
Auto trailer recognition	✓
Mixed suspensions	✓





Features / Options

Quick Load

Selectable screen options	✓
Steer & drive axle's	✓
GVW & Net	✓
Alarm outputs	✓
Compaction cut off	✓
Mixed suspensions	✓
20% front axle alert	✓

5800 Rigid Truck Scale

Quickload An affordable and invaluable in cab tool for today's transport industry.

This small and compact in dash display has many features of the loadmaxx series including axle weight data displayed along with GVW, and net payload. Selectable alarm features either visual or audible, selectable dual warning and overweight alarms including the new front steer axle alarm system that continuously monitors imposed load on the axle and alerts if less than twenty percent of GVW is not applied to this axle, helping you load your vehicle efficiently and safely for the highway.

Quickload is available for all makes off chassis, suspensions, and axle configurations, with an installation time of just two to four hours you can have onboard weighing on your vehicle or fleet quickly and efficiently. The system parts weigh less than ten kilos no heavy loadcells are required along with chassis modification saving crucial payload capacity on small vehicles. Service and maintenance are also greatly reduced with advanced sensing techniques.

Quickload can also be taken from an existing vehicle and reinstalled on a replacement with ease and minimum downtime.

Load Smart™

Typical system accuracy ± 0.5 to 5% of fsd depending on suspension type and class of vehicle





Truck & Trailer HGV

Suitable for all make/model of truck & trailers, steer and drive axles are displayed on the in cab display but if your unit hooks up to a trailer fitted with an Air-Weigh trailer scale the steer, drive & trailer axles weights are displayed automatically along with GVW and payload.

Selectable alarm alerts for axle loads and GVW. Maximize your fleet potential with Air-Weigh load management systems.

The Loadmaxx 5800 tractor scale and 5802 trailer scale is the ideal system for large fleet applications allowing automatic drop and hook of multiple trailer types, includes weight data interface to printers or other onboard computers such as the CMS Supatrak system.

LoadSmart™

Typical system accuracy ± 0.5 to 5% of fsd depending on suspension type and class of vehicle

Features / Options

Truck & Trailer

Auto trailer recognition	✓
Steer drive trailer axle weights	✓
GVW & Net	✓
Printer option	✓
Vehicle/load tracking interface	✓
Alarm outputs	✓
J1939/Can RS 232 interface	✓
Hand held remote	✓
Mixed suspensions	✓





Features / Options

Tractor & Trailer

Selectable screen Options	✓
Steer & drive trailer axle's	✓
GVW & Net	✓
Direct trailer input	✓
Alarm outputs	✓
Mixed suspensions	✓

5800 dedicated tractor-trailer scale

A low cost solution for dedicated fleets & owner operators.

With the dedicated tractor-trailer scale you get all the features of the Air-Weigh truck and trailer scale weight data except for automatic trailer swapping & tracking interface.

A load management system that is installed in the vehicle dashboard. By running the trailer sensor line into the cab through a dedicated line, there is no need for a separate trailer scale making a very affordable onboard weighing system. With no operator interaction required the system automatically displays the steer, drive and trailer axle weights, at the press of a button GVW, and NET payload are displayed.

Load-Smart™

Typical system accuracy ± 0.5 to 5% of fsd depending on suspension type and class of vehicle





5819 Trailer Payload

When a payload scale is required in a hurry the 5819 scale is an excellent quick low cost and simple installation only taking two hours to install even as a self fit, everything required for installation comes in the box.

Simply install the sensors into the trailer air suspension and front hydraulic hoist and connect to the trailer display, your trailer has its own payload scale in minutes which can also be taken off and reused if required. It's so simple and low maintenance, the more weight on the trailer suspension and front ram the more pressure required to support the load is converted to actual trailer payload.

Excellent solution for bulk tipping trailers & tankers a standard loadcell version also available for tipping trailers if required. Can also be used on air suspended trailers to display trailer axle weight to help avoid axle overload potential.

Programmable audible alarm option to alert when payload or maximum axle load is reached.

Features / Options

5819

Trailer axle weights	✓
Trailer payload option	✓
Alarm outputs	✓
Auto truck recognition	✓
Auto data download to Loadmaxx	✓
Mixed suspensions	✓







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