



# Fleet Management

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## Air-Weigh On-Board Scales |

### Self-Weighing Trucks and Trailers

Every truck and trailer brings its own scale to the loading site.

Check-weighing at a truck stop scale made sense before trucks became self-weighing. Avoid overweight issues that cause:

- Wasted hours of service
- Wasted out-of-route miles and fuel
- Overweight fines
- Waiting in line to re-work the load
- Missed delivery schedules



The Air-Weigh scale system converts air pressure in the truck and trailer air springs into a very accurate, on-the-ground weight. The more weight on the vehicle, the more air pressure required to maintain ride height. Once calibrated, Air-Weigh displays the weight of the axle group to within 300 lbs. (140 kg) of a DOT scale when operated properly. It is much more accurate than an air gauge.

The Air-Weigh Tractor and Trailer Scale come with an "Alarm Output" function which is a built-in feature. The Alarm Output can be connected to any alarm/buzzer or LED device to alert drivers and loaders when a truck is nearing or has reached its weight capacity. The Alarm function is controlled via menu-driven software in the Tractor and Trailer Scales, which is controlled via a keypad in its cover. The alarm is easily turned off by pressing the ESC key once.



#### Truck Scale Kit |

Includes scale display, sensor(s), Truck ComLink sensor processor, cabling and fasteners. Includes ability to predict weight transfer to the steer axle from fifth wheel. ComLink 1 & 2 kits include separate channels 1 and 2 for use on trucks with an air suspension steer axle. Specify if for dual leveling valves on the drive axle suspension.

Order No.	Description	Price
E94720	(AW5800) Truck Scale Kit	\$1,295.00



#### Trailer Scale Kit |

Includes sensor, Trailer Scale, cabling, and fasteners. One Trailer Scale Kit for each trailer suspension to be weighed. Specify if for dual leveling valves for vehicles with left and right leveling valves on the same suspension. May also be specified for trailer suspensions with ABS to include ABS T-Breakout cable connector for simple plug-and-play electrical installation. Specify without ABS T-Breakout for junction box connection.

Order No.	Description	Price
E94750	(AW5802) Trailer Scale Kit, ABS T-Breakout	\$799.00

**New for 2008**

#### Air-Weigh LoadMaxx Scale |

LoadMaxx incorporates state-of-the-art hardware and software technology. The LoadMaxx Scale offers several innovative features including an interface to J1939 / CAN bus, two programmable weight alarm outputs, an interface to an inclinometer, and enhanced self-test diagnostics. The J1939 / CAN bus interface allows dash displays and on-board computers to easily obtain weight information for wireless transmission to fleet headquarters, or for viewing by the driver in the cab. Two alarm outputs can be used to warn the driver when an axle group weight or GVW exceeds legal limits.

Parking on an incline can result in uneven pressure on a vehicle's suspension, which affects the accuracy of a scale reading. With the inclinometer option for LoadMaxx, the weight display, J1939 outputs, and alarm outputs, are turned off when detecting an incline that will affect weight reading accuracy. The LoadMaxx scale is available with or without an optional Air-Weigh display device. Drivers see steer axle weight, drive axle weight, gross vehicle weight, and payload weight. The weight information may also be transferred to an on-board computer for display and use by other vehicle applications.

## Air-Weigh On-Board Scales |

### Dedicated Tractor-Trailer Scale 5800 Series

This innovative on-board scale is designed to help owner-operators and small fleets with dedicated rigs save money, while capitalizing on the benefits of on-board weighing. Now all fleets, regardless of size, can weigh as they load, eliminating the costs associated with leaving the loading site overweight. With the Dedicated Tractor-Trailer Scale, you get all the features and functions of a complete Air-Weigh Tractor-Trailer System except for automatic trailer swapping.

#### Easy to Install

Run an air line from the tractor and trailer airbags to the dash. Connect cables from the sensors to the tractor ComLink. Mount the display in-dash and the ComLink behind the dash. Connect to power, and you are ready to calibrate your Air-Weigh Scale.

#### Easy to Calibrate

Air-Weigh's simple on-screen menu makes it easy to setup and calibrate your scale. Calibration is as simple as selecting the CALIBRATION menu, then entering the empty weights when the vehicle is empty and entering the heavy weights when the vehicle is loaded. Once the system is calibrated, steer, drive, trailer(s), GVW and net payload weights will be displayed on the 2" in-dash display.

#### Easy to Operate

To weigh most accurately, the vehicle should be parked on a level surface with the engine running and the brakes released. The height control valve should be in good repair and set at factory-specified ride-height. The suspension should be briefly deflated, then allowed to return to ride-height with the brakes released. When the numbers stabilize, weight to within 300 pounds of a DOT scale will be displayed (many Air-Weigh customers claim accuracy within 100 pounds, with a little practice).

### Dedicated Tractor Scale 5800 Series |

Designed to operate on most tractors with air-ride drive axles using dual or single leveling valves, tandems, or tridems, and spring or air-ride steers. Air-Weigh also works with air-ride trailers using single or dual leveling valves, tandems, tridems, or spread axels.

Order No.	Description	Price
E94931	Dedicated Tractor Scale Kit	\$1,195.00
E94932	Air Line Disconnect Kit	\$ 119.00
E94933	Tractor Air Line Kit	\$ 66.00

### Dedicated Tractor B-Train Scale 5800 Series |

Also available for multiple-trailer combinations including B-trains, super-B's, connector dollies and pups.

Order No.	Description	Price
E94934	Dedicated Tractor Scale Kit for B-trains	\$1,398.00
E94935	Air Line Disconnect Kit for B-trains	\$ 309.00
E94933	Tractor Air Line Kit	\$ 66.00



**The Industry's Most Affordable and Accurate Tractor-Trailer Scale.**

The Air-Weigh Dedicated Tractor-Trailer Scale is a an affordable load management system that is permanently installed in the dash and calibrated to each suspension on the vehicle. By running the trailer suspension air line to the dash, there's no need for a separate trailer scale. With no operator interaction required, the in-dash gauge automatically shows the steer, drive, and trailer weights on one screen. A single button press displays GVW and Net Payload weights. A 12V alarm output is standard and allows connection of an in-dash or exterior light or buzzer to warn of near-legal weight limit or over-legal weight on any axle or GVW.

- ISSPRO Gauges
- Murphy Systems
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- Electrical



## DriveRight 600E |

### Interactive on-board console gives instant feedback to drivers.

Like an on-board coach, DriveRight 600E gives instant feedback to drivers, improving their performance with every mile. Set the audible alarms, and the driver will know instantly whenever he has exceeded company safety limits for speed, acceleration, and hard braking. After the trip, query the console for details on time, speed, distance, and more. Download to the Fleet Management Software to compare driver performance and track improvement over time. Easily mounts on dashboard or sun visor.

- Current speed
- Starting time for trip
- Maximum speed for trip

- Distance traveled
- Ending time for trip
- Number of times deceleration safety limit was exceeded

- Current time & date
- Time & date for trip
- Current acceleration or deceleration rate
- Amount of time over speed safety limit
- Number of times acceleration safety limit was exceeded.



- Current time & date
- Time & date for trip

Use PLUS and MINUS buttons to:

- Enter driver ID at beginning of trip
- Specify trip type: business, personal, commute, or other

Press SET to change format for:

- Speed (mph or km/h)
- Time (12- or 24-hour)
- Date (month/day or day/month)

Press MODE to cycle through:

- Current readings
- Details for each trip
- Driver safety limits

DriveRight 600E is available in four different models. Each includes an interactive on-board console and vehicle installation hardware. Hardware varies to meet the needs of specific vehicle types and model-years.

Order No.	Description	Price
E96241	(8126OBD) DriveRight 600E with OBDII Installation Kit Includes OBDII connector with 6' (1.8 m) cable. For cars, vans, and pickup trucks, model-years 1996 and later.	\$395.00
E96242	(8126VSS) DriveRight 600E with VSS Installation Kit Includes wires and splice connectors to tap into the vehicle's speed sensor. For cars, vans, and pickup trucks, 1992 and later, and some earlier model-years with cruise control.	\$375.00
E96243	(8126GD) DriveRight 600E with General Duty Installation Kit Includes reed switch sensor, magnet, and nylon mounting strap. For older-model cars, vans, and pickup trucks, and for other vehicles in which OBDII or VSS installation is not possible.	\$375.00
E96244	(8126HD) DriveRight 600E with Heavy Duty Installation Kit Includes reed switch sensor, magnet, heavy-duty stainless steel mounting strap, and extra-long cables. For tractors, big rigs or other large trucks, or buses.	\$395.00



## Fleet Management Software |



Includes software on CD, serial-port cable for downloading from the DriveRight 600E on-board console, and USB cable for downloading from CarChip Fleet Pro. For easy, automatic downloading, add the wireless download system. Data from DriveRight 600E may also be downloaded using the optional USB-to-Serial Cable shown below, the Palm or Remote Download Kits, or the SmartCard System. Reports for diagnostic trouble codes, engine monitoring, and emissions readiness require the use of CarChip Fleet Pro. All other reports are available whether you use CarChip Fleet Pro or any of the DriveRight 600E models.

Order No.	Description	Price
E96350	(8186) Fleet Management Software	\$395.00
E86420	(08434) USB to Serial Cable	\$20.00

## CarChip |



### Engine Performance Monitoring

Monitor any 4 out of 23 possible parameters including:

- Battery voltage
- RPM
- Throttle position
- Engine load
- Coolant temperature
- Fuel pressure
- Fuel system status
- Timing advance
- Air flow rate
- Intake air temperature
- Intake manifold pressure
- Short-term fuel trim (2 ea)
- Long-term fuel trim (2 ea)
- O2 sensor output voltage

## CarChip Pro |

No tools or automotive expertise required! Just plug CarChip into the On-board diagnostics (OBD) port (easily found under the dashboard or steering wheel), and it reads and stores data from your car's on-board computers, continuously logging driving and engine performance for up to 300 hours.



Both versions of CarChip come with the CarChip data logger, a software CD to analyzing data, and a USB cable for downloading the data.

## CarChip Fleet Pro |

To monitor engine performance, use a CarChip Fleet Pro in each vehicle. To monitor driver performance, issue each driver his own CarChip with a unique ID number. Drivers can quickly and easily take their CarChip with them from one vehicle to the next. Stores up to 1200 hours of driving data depending on the logging interval and number of parameters selected. Download at any time and clear the memory, or simply let the newest data overwrite the oldest. Requires Fleet Management Software, sold separately. CarChip Fleet Pro allows you to use GPS tracking and Wireless data logging.

Order No.	Description	Price
E96122	(8226) CarChip Pro	\$119.00
E96123	(8426) CarChip Fleet Pro	\$169.00

## GPS Module |

### See how and where your vehicles are being driven.

Add a GPS system to the DriveRight 600E or CarChip Fleet Pro in each vehicle, and you can see not just how your vehicles are being driven—but where. Download the data to the Fleet Management Software, then use Microsoft MapPoint or other third-party mapping programs to create detailed maps showing each driver's routes, the speeds driven, and the locations of any accidents or near-accidents.

### GPS/Wireless Interface Module

Connects the GPS Module to either your DriveRight 600E on-board console or the CarChip Fleet Pro data logger. You'll need one per vehicle. Easily mounts under dashboard using the included Velcro® strips or double-sided foam tape. Available in two models. A single Interface Module can be used to install both a GPS system and a wireless download system.

### GPS Module

Plugs quickly and easily into the DriveRight 600E on-board console or CarChip data logger using the appropriate GPS/Wireless Interface Module. For maximum visibility to GPS satellites, position the module on the dashboard or windshield. Includes 6.5' (2 m) cable.

Order No.	Description	Price
E96301	(8127) Interface Module for DriveRight 600E	\$ 65.00
E96302	(8251) Interface Module for CarChip Fleet Pro	\$ 65.00
E96303	(8128) GPS Module	\$100.00



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## Tachographs |

### State-of-the art recording technology Electronic 1318 Tachograph



**Speed Only**



**Speed and rpm**



- ... Recorder
- ... Speedometer
- ... Clock
- ... Odometer
- ... Tachometer

The 1318 electronic tachograph is the leading industry standard. During a trip, it continuously records vehicle operating information onto a circular chart inside the unit. Records information about speed, idling, distance travelled, rpm, pto, or engine brake activation, doors open or closed, emergency sirens and lights, etc. This information can then be used to protect against liability in an accident, save fuel costs and delays, etc. Available in many models: Speed only (125 kph, 160 kph), Speed and rpm (2500 rpm, 3300 rpm), or combine with a special event stylus to indicate other activity such as emergency sirens and lights. All kits include everything necessary to install on most conventional highway vehicles. Large easy-to-read. 5 1/2" mounting diameter.

Each kit includes a serial data link, power harness, mounting clamps, under dash bracket, fuses, and a box of 100 charts.



Order No.	Description	Price
E07781-Kit	Tachograph Kit - Speed Only 125 kph	\$995.00
E07782-Kit	Tachograph Kit - Speed and 2500 rpm	\$1,295.00

## Mechanized Vibration Recorder |

The STB Mechanized Vibration Recorder does not require any power or electric signal. Once the clock is wound and the chart inserted, the recorder reacts and detects the smallest of horizontal or vertical movement. All significant movement is recorded on a time-relevant chart. An excellent instrument for custom operators to show exact time equipment was used.

It can be used on any on-off road construction, mining or farming equipment. Stationary machines, pumps or compressors are a further field of use. The unit's recording system is so sensitive, it will pick up high voltage cable and pylon vibration to control the efficiency of anti-vibration devices. Made of rugged alloy metal.

Order No.	Description	Price
E84250	STB Mechanized Vibration Recorder	\$649.95
E84270	24 Hour Charts 100/box	\$ 19.95

# Tachograph Accessories

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## Tachograph Charts

Order No.	Description	Speed	RPM	Hours	Price
E07840	125-24	125 kph		24	\$16.00
E07850	125-24 Mini	125 kph		24	\$20.00
E07860	160-24	160 kph		24	\$20.00
E07910	125-2500-24 CDN	125 kph	2500	24	\$20.00
E07920	125-3300-24 CDN	125 kph	3300	24	\$20.00
E07940	125 - 7 x 24	125 kph		24 x 7	\$30.00
E07950	125 - 7 x 24 Mini	125 kph		24 x 7	\$30.00
E07960	125 - 3300 - 7 x 24E	125 kph	3300	24 x 7	\$36.00



## Adapters & Converters

E18620	Serial Data Link Adapter Translates data from the serial data bus on electronic engines to the pulses required by tachographs, on-board computers, and similar equipment.	\$169.00
E18580	Speed Pulse Adapter Used to convert speed signals from a magnetic sensor into the speed pulses required by 1318 tachographs.	\$95.00
E18590	RPM Pulse Adapter Used to convert rpm signals from a magnetic sensor into the rpm pulses required by 1318 tachographs.	\$95.00
E18540	Frequency Converter Used to convert either speed or rpm pulses from a magnetic sensor to the pulses required by 1310 tachographs.	\$95.00
E18560	Frequency Converter A universal frequency converter is used to convert either speed signals or rpm pulses from a magnetic sensor to the pulses required by electronic speedometers, on-board computers, and similar equipment.	\$95.00



## Power Harness

E16150	Power Harness for Model 1308 tachograph 5'	\$19.95
E16160	Power Harness for Model 1310/1315 tachograph 5'	\$19.95
E16180	Power Harness for Model 1318 tachograph 5'	\$19.95

## Universal Tachograph Key

E34920	Universal Tachograph Key	\$6.95
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## Tachograph Lamps

E50410	12V Tachograph Lamp Black Plastic Base 5/Pkg.	\$9.95
E50420	24V Tachograph Lamp Grey Plastic Base 5/Pkg.	\$9.95
E50430	12V Tachograph Lamp Metal Base 5/Pkg.	\$9.95
E50440	24V Tachograph Lamp Metal Base 5/Pkg.	\$9.95



E50410



E50420



E50430



E50440



E34920 Universal Tachograph Key



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E34850



E34650/E34660



E08140  
2159 Sending Unit



E08120  
2155 Sending Unit



E09050 Tang to .187" pin \$6.95

## Tachograph Accessories |

### 5 1/2" Mounting Brackets

E34850	Universal Right-Angle Under Dash Bracket	\$29.95
E34650	1310 Mounting Clamp Kit	\$16.00
E34660	1318 Mounting Clamp Kit	\$16.00

### Sending Units

E08120	2155 Speed/rpm Sending Unit Mechanical to electronic transducer for either speed or rpm. Has three terminals. For use with the Model 1310 tachograph.	\$95.00
E08140	2159 Speed/rpm Sending Unit Mechanical to electronic transducer for either speed or rpm. Has four terminals. For use with the Model 1318 tachograph	\$95.00

### Drive Tangs for 2155/2159 Sending Units



E09010 Tang to .104" sq. \$6.95



E09020 Tang to .152" sq. \$6.95



E09030 Tang to .187" sq. \$6.95



E09040 Tang to .152" pin \$6.95



E09060 Tang to .203" pin \$14.95



E09070 .104" sq. to .203" pin \$6.95

### Sending Unit Harnesses

E16220	2155 Speed Harness 16'	\$65.00
E16260	2155 rpm Harness 16'	\$65.00
E16230	2159 Speed Harness 16'	\$75.00
E16270	2159 rpm Harness 16'	\$75.00



E16220  
2155 Speed Harness



E16260  
2155 rpm Harness



E16230  
2159 Speed Harness



E16270  
2159 rpm Harness