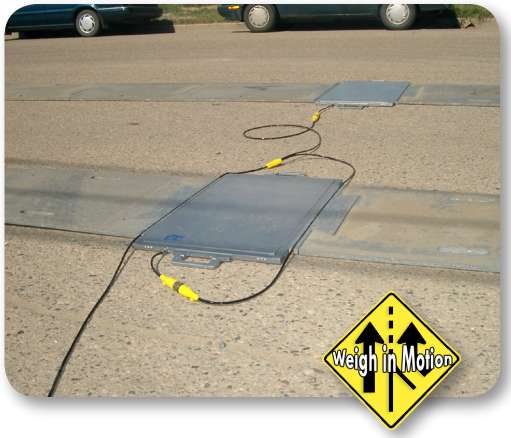
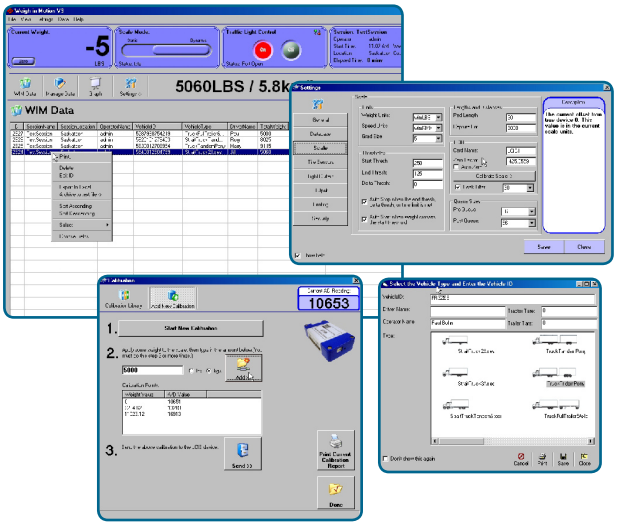
Portable Weight In Motion

If it's a reliable, portable weight in motion system that you are looking for, look no further. Using a heavier duty version of our highly successful Ultraslim Wheel Load Scales, Massload is able to offer a reliable and robust portable weighing solution that will not only fit your needs, but will also fit your budget!

Operation of the system is simple. A single person can setup and operate the system with ease. Just lay the weighpads down, layout the track, connect the weighpads to the computer and your up and running! It's just that easy.





Weight in Motion V4.0 from Massload is a very flexible, feature rich, and mature data handling software package. Keep track of all your weight in motion statistics in one simple to use program. Just start the software, and your on your 'weigh'!

System Components

2 - Heavy Duty 1 metre Ultraslim Wheel Load Scales

1 - Y-Cable Connects both weighpads to the LCIB computer interface

1 - LCIB Computer Interface Device

1 - USB cable connects LCIB to computer

4 - Sets of roll-up leveling track (4.5M per set for standard suspension vehicles).

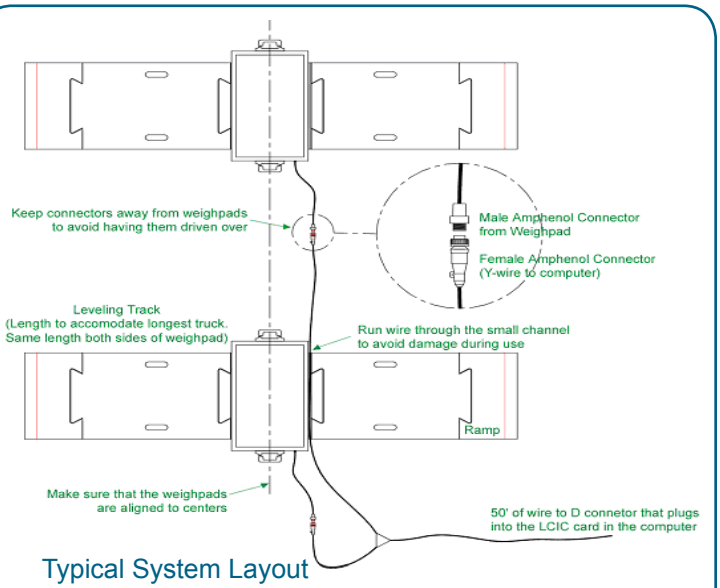
Portable weight in motion systems are useful when the location for weighing is constantly changing. This system can be setup in a very short period of time. Roll-up leveling track is used with each system to ensure the vehicle rolls over the Ultraslim weighpads with a minimum of disturbance, ensuring a more accurate weight reading.

For the ultimate in portability, Massload has developed a case that houses a laptop computer, full sized sheet printer, and LCIB device. An integrated power supply is also included that is capable of charging both the printers internal battery, as well as the laptop's internal battery. Use either the included 12VDC wall power supply, or a standard 12VDC cigarette lighter from a vehicle to run the entire system. Underneath the top layer, there is ample room to store spare paper and the cables. All components fit snuggly and neatly into the high quality Pelican carrying case.

Portable WIM (Cont.)

Ultraslim Heavy Duty Wheel Load Scale Specifications

Rated Capacity	Dynamic: 20,000 lbs per pad (40,000lbs per axle) Static: 40,000lbs per pad (80,000lbs per axle)
Accuracy	+/-3% GVW, 95% Confidence at <5km/h with leveling track +/-5% GVW, 95% Confidence at <15km/h with leveling track Static: ≤ 0.5% Full Scale
Overload Capacity	125% Full Scale Safe, 150% Full Scale Ultimate
Temperature Range	-30ºC to +80ºC (operating), -10ºC to +60ºC (compensated based on an additional 0.05% to 0.10% FS static error for every 10ºC deviation from 20ºC)
Graduation	50 lb Standard
Weight	Pads 84 lbs ea, 2 per system; Tracking 73lb ea, 4 per system
Material	High strength aluminum alloy (weighing platform) High Strength Stainless Steel (load cells and bottom plate)
Fatigue Limit	400 cycles per day at 100% capacity (20,000 lb per pad continuous) 2500 cycles per day at 75% capacity (15,000 lb per pad continuous)
Ground Requirements	Hard Flat weighing surface (concrete or good pavement) Level within 1/8" per square meter
Dimensions	Max: 41 5/16" x 18 1/2" x 0.9"; Weighing surface: 39 3/8" x 16 1/2"
Sealing Standard	IP 66: totally protected from dust; protected from strong jets of water



Typical System Layout

LCIB Specifications	
Sample Rate	2,000 samples/second continuously
Resolution	16 Bit
Calibration	Up to 100 individual calibrations can be stored on the device
Linearity Adjustment	Up to 100 linearity adjustment points per calibration
Computer Interface	Fully Rated USB 1.1
Scale Interface	Rugged DB9 Connector
Power Requirements	None, powered by the USB port of the computer
Computer Requirements 	Pentium 3, 1GHz or better, 10GB of disk space (for raw data storage), 256MB RAM, Keyboard, Monitor, 1 free USB port, Windows 2000 or Windows XP *Note*: 1 or more serial ports may be required for additional devices

Weight In Motion V4.0 Software Features

- All regular scale functions such as zero, real-time weight display, grad size, ect
- Built in calibration utility with unlimited linearity point capability
- Static / Dynamic mode allows you to use the scale to weigh axles statically
- Scoreboard support • Export data to Excel or delimited text files for archiving
- Full sheet report generation with configurable reports
- Configurable vehicle types database
- Full database management
- Configurable main screen - show only the data that you want to see
- Post weighing screen allows you to fill in additional information
- Many program security features
- Graphing capabilities
- Configurable full screen weight display
- Automatic detection of LCIB signal

Database Fields

• Axle Weight • Axle Speed • Total Weight • Average Speed • Date • Time • Speed Units • Weight Units • Zero Factor • Grad Size • Sample Length • Number of Axles • Tractor Tare[1] • Trailer Tare[1] • Vehicle Type[1] • Vehicle ID[1] • Scale Operator[1] • Driver Name[1]

[1]Manually entered after the weighing process
Note: Additional fields available depending on the perhiferal options that you have. (cameras, tire sensors, ect)

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