VISHAY PRECISION GROUP

Product Sheet

LoadPro

SI Onboard

A Brand of VPG On-Board Weighing

Axle Overload Monitoring System

Optimize Your Payload and Avoid Fines

Features and Benefits

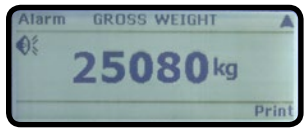
- Accuracy—better than 2.5% (90–110% of FSD)
- Simple to operate
- Easy to fit to new and existing vehicles
- No driver input required
- Axle and gross overload monitoring
- 7.5 – 50 ton GVW
- Rugged for harsh environments
- Automatic trailer identification
- Programmable alarms for axle or gross weight overloads
- Balanced load distribution
- Maximize payload capacity and avoid fines
- Reduce vehicle wear and tear and fuel consumption

For more information, contact us at +1-301-722-6000

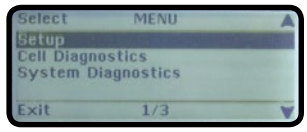
www.obwvpg.com

Axle Overload Monitoring—Optimize Your Payload and Avoid Fines

LoadPro is specifically designed for all vehicles with mechanical and/or air spring suspension. SI Onboard has combined features of its patented axle transducer technology and proven 1155 digital indicator to provide a low-cost overload monitoring and payload optimization system. LoadPro is simple to install and offers cost-effective overload monitoring for new and existing vehicles.

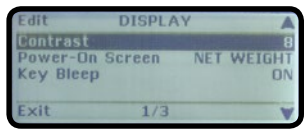


Vehicle Overload



Easy to Setup Menus

Axle Overload



User Defined Display

Alarm Set Points

Axle Load Monitoring

LoadPro has no moving parts and is not susceptible to wear or slipping out of calibration because of stretched springs, which are common in other axle monitoring systems. Combinations of SI Onboard's axle transducers and/or air pressure transducers obtain the loading condition of each axle or axle group. Smart junction boxes connect axle groups to the meter, and also monitor and correct for vehicle out-of-level conditions. Calibration can be performed in a matter of minutes, and the scale is now ready to perform.


Axle Transducer


Air Pressure Transducer

1155 Digital Indicator

Specially engineered for on-board use, the 1155 indicator is a versatile display designed to suit a variety of trucks from 7.5 ton to 50 ton GVW. Its mounting flexibility ensures that it is suitable for both DIN radio mount and dash mount.

The indicator provides overload monitoring for individual axles and for the complete vehicle.

The indicator can connect to the 511 FreeWeigh handheld remote display.

Trailer Identification

Where tractor and trailer combinations are swapped, LoadPro automatically recognizes the overload monitoring system on the trailer, so there is no need to recalibrate every time the trailer is swapped.

Telematics Output

Connection to third party tracking systems is easily achieved via LoadPro's standard telematics output.

Features	Standard	Optional
Gross vehicle overload	●	
AxleWatch – individual axle overload	●	
Built in alarm sounder	●	
Trailer swap – trailer identification	●	
CAN bus	●	
RS232 output	●	
Password protection	●	
Telematics output	●	
Printer – thermal		●
Printer – heavy duty		●
Custom printer headers		●
External alarm		●
511 FreeWeigh		●

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