

Overload Protection Load Optimization

Optimized for LCV

"A few years ago I was in breach of weight regulations sitting behind my office desk. Whilst collecting castings from a foundry, our driver accepted an additional pallet. Stopped, weighed and subsequently prosecuted, the driver and I found ourselves pleading guilty at Burnley Magistrates Court...never again! We have recently installed VanWeigh systems to all our vehicles."

Safe Indication

Rear Axle Overload Warning

Glyn Brown, Managing Director, Archerdale Limited

Axle Load Monitor

The VanWeigh axle overload monitoring system is specifically designed for two axle vehicles with standard coil or leaf spring suspension and/ or air suspension. Each axle is monitored with a patented solid-state sensor which monitors the load applied to each axle. The information is displayed to the driver on the twin channel digital indicator and an audible alarm sounds if the total vehicle or axle weight maximum is infringed.

The driver has a choice of three screens:

Screen 1: the standard dial screen view.

Screen 2: a graphical van display with the actual weight in lbs. or kgs, and the percent of payload vs load capacity.

Screen 3: an actual weight over each axle plus the GVW in lbs. or kgs, and the percent of payload vs load capacity.

The driver will be alerted to three conditions:

Safe: indicates loads up to 90% either front or rear axle and total load.

Warning: indicates loads between 90% and 100%.

Overload: alerts the driver to an axle or vehicle infringement above 100% load.

Durable

VanWeigh 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 overload monitoring systems.

Axle Transducer

Air Pressure Transducer

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Vponboard.com

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Telematics Output

VanWeigh® includes an output from the indicator capable of connecting with tracking systems, allowing

communications between the two systems which is reliable and easy to achieve. An optional cable is supplied with the VanWeigh system which allows telematics systems to capture the weight information and alarm triggers.

Features and Benefits

- Better than $\pm 2.5\%$ (90%-100% of GVW)
- Color touch screen
- Simple to operate
- No driver input required
- Axle overload warnings
- Gross overload warnings
- Balanced load distribution
- Maximize payload capacity
- Operating tolerance of vehicle (brakin)
- Possible reduced fuel consumption
- Reduce vehicle wear and tear
- Protect your license
- Avoid fines
- Avoid overload endorsements

System Specification

	Better than $\pm 2.5\%$ (90%-100% of GVW)
Accuracy:	Up to 90%
Safe Weight Setting:	90%–100%
Warning:	Over 100%
Overload Setting:	Over 100%



Each Axle Displayed as a Percentage

Environmental Tests

Electrical Tests Passed for E and CE Marking Requirements
 Environmental Performance Exceeds SAE J1455



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