Onboard Weighing System – Van Weigh

TECh hf | **CODE: HFS-AOP-01**

Overload protection load optimisation.
Optimised for LCV.

Overview

The VanWeigh axle overload monitoring system is specifically designed for two axled vehicles with standard coil or leaf spring 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 kgs and the percent of payload vs load capacity.

Screen 3: an actual weight over each axle plus the GVW in 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.

Telematics Output

VanWeigh® includes an output from the indicator capable of connecting with Datalive Tracking, 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

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Features and Benefits

Overload Protection – Load Optimisation

Optimised for LCV

- Better than ±2.5% (90%–100% of GVW) Colour touch screen
- Simple to operate
- No driver input required
- Axle overload warnings
- Gross overload warnings
- Balanced load distribution
- Maximise payload capacity
- Operating tolerance of vehicle (braking) Possible reduced fuel consumption Reduce vehicle wear and tear
- Protect your licence
- Avoid fines
- Avoid overload endorsements

System Specification

Accuracy	Better than ±2.5% (90%–100% of GVW)
Safe Weight Setting	Up to 90%
Warning	90%–100%
Overload Setting	Over 100%
Power Supply	12/24V
Operating Current	<400 mA
Standby Current	<5 mA
Screen	480 x 272 pixels

Environmental Tests

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

1. Safe Indication
2. Rear Axle Overload Warning
3. Gross Overload Warning
4. Each Axle Displayed as a Percentage

1

2

3

4

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