



ACCUWEIGH

Onboard and Vehicle Weighing Systems

Axle Overload Protection

for Single Axle Spring Vehicles



VANWEIGH DIGITAL INDICATOR

Axle Protection

The VanWeigh axle overload protection system is specifically designed for two axled spring vehicles. Each axle is monitored with an environmentally-sealed electronic sensor which monitors the load applied to each axle. The information is then 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 kilograms and the percent of payload versus load capacity
- Screen 3:** an actual weight over each axle plus the GVW in kilograms and the percent of payload versus 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 load infringement up to 110% of Full Scale Deflection.

Chain of Responsibility

Vehicle drivers and owners are not the only ones responsible for ensuring road transport safety. The business who requests a delivery, the loader who packs the goods or the vehicle driver doing the miles can be held responsible for a breach of the new Compliance and Enforcement laws.

The Chain of Responsibility means that all people in the chain are responsible for road transport safety. As a vehicle owner or driver, VanWeigh eliminates the guess-work on axle overloading and vehicle safety.

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 protection systems.



Safe Indication



Front Overload Warning



Gross Overload Warning



Each Axle Displayed as a Percentage

Protect your licence and avoid fines



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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 easy to achieve and reliable.

A cable can be supplied with the VanWeigh system which allows telematics systems to capture the weight information and alarm triggers.

Benefits

- Accuracy $\pm 3\%$ FSD (90 - 100%)
- Simple to operate
- No driver input required
- Axle overload protection
- Gross overload protection
- 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

Screen:	160 x120 pixels
Accuracy:	$\pm 3\%$ FSD
Safe Weight Setting:	Up to 90%
Warning:	90% - 100%
Overload Setting:	Over 100%
Power Supply:	12/24 Volt
Operating Current:	< 400 mA
Standby Current:	< 5 mA

Environmental Tests

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

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