

# V-WEIGH LITE

**Diverseco**  
Weighing | Automation | Service



FOR TWO AXLE  
SPRING SUSPENSION  
VEHICLES

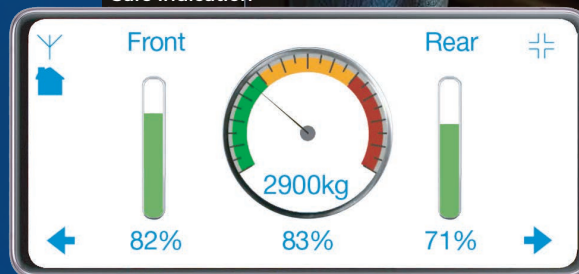
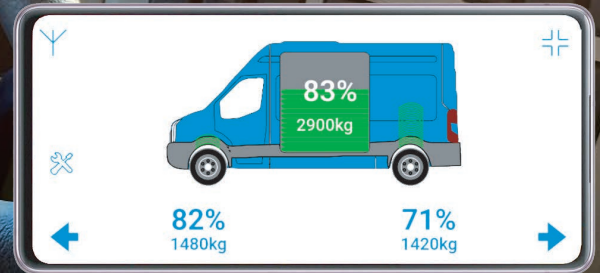
Overload  
Protection

Load  
Optimisation

 Chain of Responsibility  
Solution Providers

Safe Indication

Rear Axle Overload Warning



The **VanWeigh® Lite** axle overload monitoring system is specifically designed for two axled 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 a mobile device and an audible alarm sounds if the total vehicle or axle weight maximum is infringed. Audible alarm must be activated by the user. This is due to the operating system of any mobile device.

**VanWeigh® Lite** 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.

## KEY BENEFITS

- | Better than  $\pm 2.5\%$  (90% - 100% of GVW)
- | Simple to operate - no driver input required
- | Axle and Gross overload warnings
- | Balanced load distribution
- | Maximize payload capacity
- | Operating tolerance of vehicle (braking)
- | Reduce vehicle wear & tear and fuel consumption
- | Protect your license - avoid fines and overload endorsements



Delivering Business Excellence through Weighing, Automation and Service Solutions

## Overload Protection Load Optimisation

The driver has a choice of three screens:

**Screen 1:** the standard dial screen view.

**Screen 2:** an actual weight over each axle plus the GVW in lbs or kgs, and the percent of payload vs load capacity.

**Screen 3:** a graphical van display with the actual weight in lbs or kgs, and the percent of payload vs load capacity.

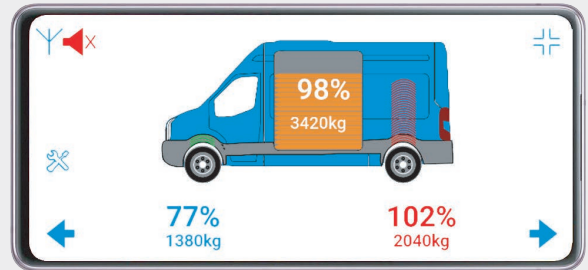
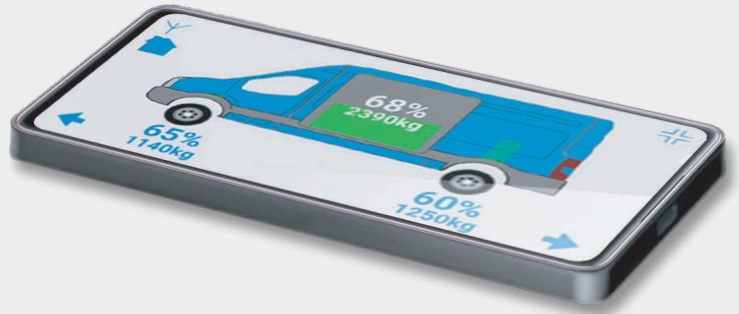
The driver will be alerted to three conditions:

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

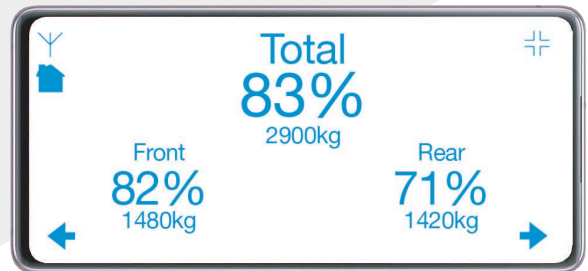
**Warning:** indicates loads between 90% and 100%.

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

VanWeigh Lite uses a Wi-Fi enabled device (e.g. mobile phone or tablet)



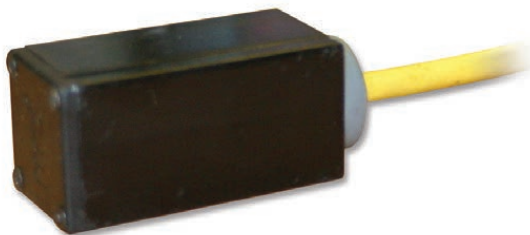
GROSS OVERLOAD WARNING



EACH AXLE DISPLAYED AS A PERCENTAGE



AIR PRESSURE  
TRANSDUCER



AXLE TRANSDUCER

### SPECIFICATIONS

Accuracy	Better than $\pm 2.5\%$ (90-100% of GVW)
Safe Weight Setting	Up to 90%
Warning	90% - 100%
Overload Setting	Over 100%
Power Supply	12 or 24 Volt
Operating Current	< 200mA
Standby Current	< 5mA