V-WEIGH II

Diverseco
Weighing | Automation | Service

FOR TWO AXLE SPRING SUSPENSION VEHICLES

Overload Protection

Load Optimisation

Chain of Responsibility Solution Providers

V-Weigh® II gives drivers and operators the peace of mind with the knowledge that they can monitor their payload at all times and keep their max gross loaded weight legal to the vehicles manufactured specification including live axle weight loadings giving the operator the ability to relocate the load or reject it. Avoiding prosecution / hefty fines and possible loss of licence.

GPS CONNECTIVITY

KEY BENEFITS

- Colour Touch Screen
- Simple to Operate - No Driver Input Required
- Axle and Gross Overload Warnings
- Balanced Load Distribution
- Maximise Payload Capacity
- Operating Tolerance of Vehicle (Braking)
- Canbus Interface
- Possible Reduced Fuel Consumption
- Reduce Vehicle Wear and Tear
- Protect Your Licence
- Avoid Fines and Overload Endorsements
- Environmental Performance Exceeds SAE J1455
- Electrical Tests Passed for E and CE Marking Requirements

SAFE INDICATION

REAR AXLE OVERLOAD WARNING

GROSS OVERLOAD WARNING

EACH AXLE DISPLAYED AS A PERCENTAGE

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DURABILITY

V-Weigh™ II 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

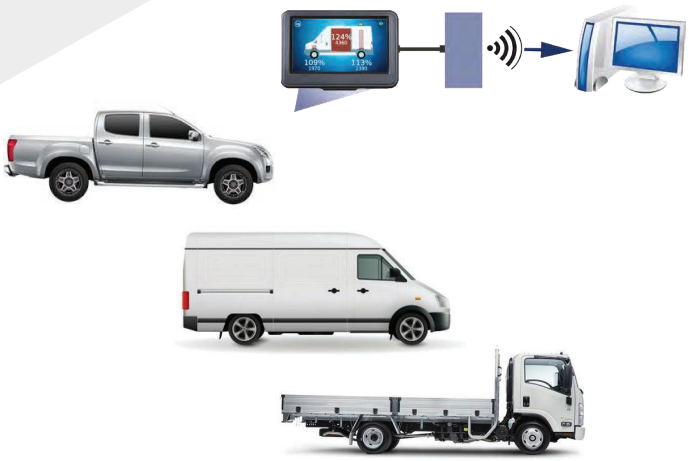
V-Weigh™ II includes an output from the indicator capable of connecting with tracking systems, allowing communications between the two systems which is reliable and easy to achieve.

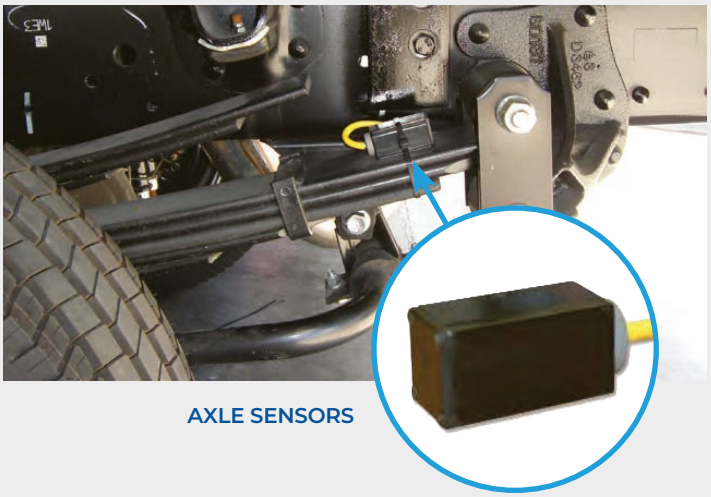
An optional cable is supplied with the **V-Weigh™ II** system which allows telematics systems to capture the weight information and alarm triggers.

TRAILER IDENTIFICATION

The **V-Weigh™ II** 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.





AXLE SENSORS

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.

SPECIFICATIONS	
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 or 24 Volt
Operating Current	< 400mA
Standby Current	< 5mA
Screen	480 x 272 pixels