



## LOAD-MONITOR 3500

**OVERLOAD PROTECTION LOAD OPTIMISATION  
OPTIMISED FOR LCV**

### AXLE LOAD MONITORING

The Load-Monitor 3500 axle overload monitoring system is specifically designed for two-axle 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.

### DURABLE

Load-Monitor 3500 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.

### 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 percentage of payload vs load capacity.



#### SCREEN 3

An actual weight over each axle plus the GVW in kgs and the percentage of payload vs load capacity.



#### SAFE

Indicates loads of up to 90% of either the 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.



## FEATURES & BENEFITS

Better than  $\pm 2.5\%$  (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 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: 12/24 Volt

Operating Current: <400 mA

Standby Current: <5 mA

Screen Resolution: 480 x 272 pixels

## ENVIRONMENTAL TESTS

Electrical Tests Passed for E and CE Marking Requirements

Environmental Performance Exceeds SAE J1455

## TELEMATICS OUTPUT

Load-Monitor 3500 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 LM 350 system, which enables telematics systems to remotely capture the weight information and any overload alarm activation.



"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 Load-Monitor 3500 systems to all our vehicles."

**Glyn Brown,**  
Managing Director, Archerdale Limited

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