



Vishay PM Onboard

Axle Overload Protection for LCVs

“ There is a growing concern over the high number of incidents of light commercial vehicles being overloaded... “According to the VOSA Effectiveness Report for 2006/07, out of 6,050 vans (mostly between 2.9 tonnes and 3.5 tonnes) weighed, 3,335 were prohibited for being overloaded. The percentage of vans prohibited at checks stood at 55.1%, up on the previous year’s 38.7% and on 2004/05’s 30.5%”... There is a maximum overloading fine of £5,000 for goods vehicles. In particularly bad cases...the driver and operator can be charged under the Road Traffic Act 1988, endorsable with three penalty points.

Craik, D. Shiers, W, 18th October 2007, “Overloading incidents increase in LCV sector”, Van News, Motor Transport,

System Specification

Screen:	160 x120 pixels
Accuracy:	±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



Equipment Requirements

Apart from general hand tools and drills etc. there are certain items of equipment that will be required to install and calibrate VanWeigh

1. Vehicle ramp - for access to sensors, reference box etc.
2. Weighbridge or weighpads (minimum of two)
3. Weights

Benefits

- Accuracy ± 3% FSD (90 - 100%)
- Simple to operate
- Axle overload protection
- Gross overload protection
- Balanced load distribution
- Maximise payload capacity
- Operating tolerance of vehicle (braking)
- Possible increased fuel consumption
- Vehicle wear and tear
- Protect your licence
- Avoid fines
- Avoid overload endorsements



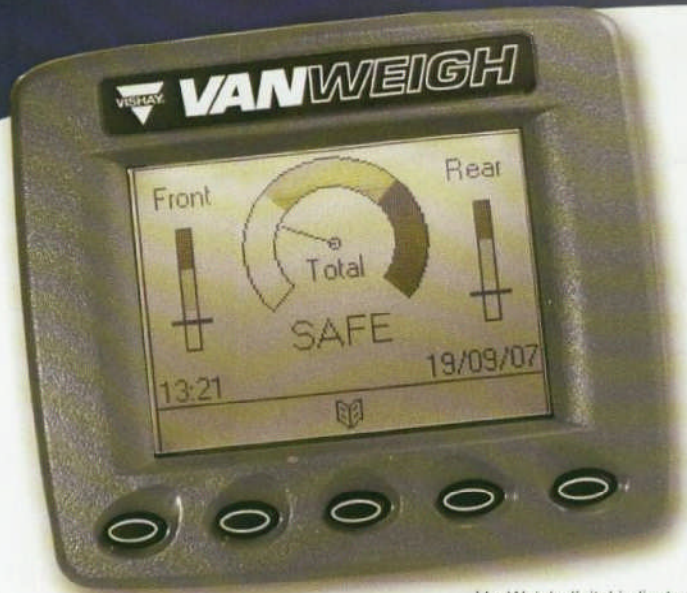
Avoid fines and overload endorsements



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NEW



VanWeigh digital indicator

Axle protection

The VanWeigh axle overload protection system is specifically designed for two axled 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 is 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 (FSD).

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.

The VanWeigh indicator is a lightweight display, suitable for a variety of vehicles from 1 - 7.5 tonne GVW.

“ Three 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 a PM VanWeigh system. ”

Glyn Brown, Managing Director, Archerdale Limited



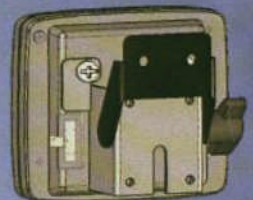
Safe Indication



Front Overload Warning



Gross Overload Warning



Rear View of Bracket

Protect your licence

and avoid fines