

## Axle Protection

The VanWeigh axle overload protection system is specifically designed for two axled vehicles. Each axle is monitored with an environmental-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.

## 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



## **Weighing & Identifying Waste**

The waste industry is changing; operators are changing the way they charge for their services. Whether considering ambitious recycling programs or polluter pays, Vishay PM BinWeigh™ is designed to integrate into existing computer systems, allowing precise measurement of waste materials collected. Vishay PM BinWeigh™ has been designed in co-operation with Waste Management specialists and incorporates proven Vishay PM weighing technology, resulting in a system suitable for any type of waste refuse collection or recycling operation. The modular nature of Vishay PM BinWeigh™ ensures that the requirements of individual customers can be met.

## **Pay by Weight**

Vishay PM BinWeigh™ automatically identifies the bin and dynamically weighs the wheeled bin contents during the normal lifting cycle. Data is stored via several options whilst updating the system database with new customer waste transactions.

Pay as you throw

Customer Identification

Onboard telematics



## Digital Weight Indicator

Specially engineered for onbaord tipper use, the 1155 digital indicator is a versatile display designed to suit a variety of trucks from 17 tonne to 50 tonne GVW.

### TipWatch

As standard, the 1155 indicator combines precision weighing with 'TipWatch' a tipper stability program that alerts the driver to a potentially unsafe tipping condition, such as uneven ground or uneven load in the body. When uneven load distribution occurs, an alarm sounds and a warning flashes on the screen. The alarm is activated when the load is more than 40% off centre.

A highly-accurate junction box inclinometer measures the level of the ground or body\* on which the vehicle stands. A continuous dispay tells the driver in degrees the angle of the chassis or body. Side-to-side slopes greater than 3 degrees, trigger an alarm sounder.

\*Requires specifying at the time of order.

### AxleWatch

Axle weights are displayed, alerting the driver to any axle overload infringement.

### Body-up

An audible sounder and on-screen message alerts the driver if the body is raised.

### Mounting Versatility

The 1155 is suitable for DIN radio mount, dash mount or trailer mount.

### Benefits and Features

High accuracy +/- 0.5% FSD or better

Overload alarm, audible or visual

Simple to operate

Rugged for off-road use

17-50 tonnes GVW

TipWatch

AxleWatch

Trailer swap



High Accuracy with Lasting Reliability The LFT1500 approved underbody weighing system is a high-accuracy, legal-for-trade system for invoicing at the point of collection or delivery. LFT1500 comprises four or six approved loadcells which are mounted between the chassis and body, an inclinometer and the 1800 indicator.

Approved for trade invoicing from the cab

NWML R76 approved to Class IIII

Accurate to one part in 1500; 10Kg in 15,000kg

Ideal for waste and recycling vehicles

Tilt compensation to 16%

Comprises 4 or 6 loadcells, 22,000kg capacity each

Bulk delivery

### **LFT1500 Installation**

LFT1500 can be fitted to all types of vehicles, as original equipment or retro-fit, through an authorised Vishay PM Fitting Agent. Our own highly-trained engineers individually calibrate and commission the onboard weighing system, which is witnessed by an approved weights and measures officer - a requirement for full certification.

REL's & FEL's

Hook Loaders

Recycling Trucks

Tipping Trucks

Demountables

Tankers

## Onboard Computer for Waste Vehicles

The 1800 onboard computer is a versatile, user-friendly communication centre, where two-way, real time information is needed. It is a comprehensive vehicle management information system, ideally suited to all types of waste collection vehicles. It provides both the driver and base station with real time vehicle and customer management data. Individual customers' refuse weight details can be viewed and downloaded when and where required.

- Approved weight indicator
- View monitor - 2 camera inputs
- GSM or GPRS phone
- Data transfer
- GPS and map
- TV and radio
- Options
  - RS232 and RS485 interface
  - CANbus
  - Ethernet
  - Bluetooth
  - Barcode reader
  - Keyboard and mouse
  - Flashcard memory
  - Buffer memory

