Product Sheet

VISHAY PRECISION GROUP

# VanWeigh

## SI Onboard

A Brand of VPG On-Board Weighing

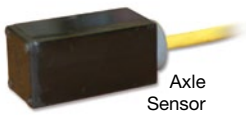

VanWeigh Digital Indicator

## Axle Overload Monitoring System

### Breakthrough in Weighing Technology

### Axle Protection

The VanWeigh axle overload protection 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 dual-channel digital indicator and an audible alarm sounds if the total vehicle or axle weight maximum is reached.



Axle Sensor

The driver has a choice of three screens:

**Screen 1**: Dial screen view.

**Screen 2**: A graphical van display with the actual weight in lbs and the percent of payload vs. load capacity.

**Screen 3**: An actual weight over each axle plus the GVW in lbs 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.

### Durable

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.


Safe Indication


Front Overload Warning

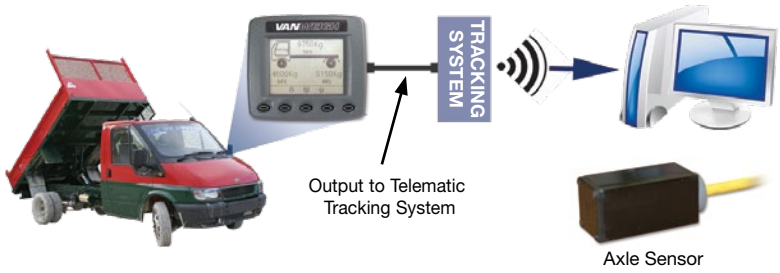

Gross Overload Warning


Each Axle Displayed as a Percentage

**For more information, contact us at +1-301-722-6000**

www.obwvpg.com

# Axle Overload Protection




## Features and Benefits

- Accuracy ±3% FSD (90%–100%)
- Telematics / V21 output
- Axle overload protection
- Gross overload protection
- Balanced load distribution
- Maximize payload capacity
- Reduced fuel consumption
- Reduce vehicle wear and tear

## Telematics Output

VanWeigh 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 VanWeigh system which allows telematics systems to capture the weight information and alarm triggers.


### 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 e11 CE

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