

## Axle Overload protection for Vehicles up to 7.5tonne



### FEATURES

- Displays load as percentage and/or weight
- Accurate to  $\pm 3\%$  FSD
- Easy set-up
- Quick calibration
- Balanced load distribution
- Low power consumption

### OPTIONAL FEATURES

- Telematics output

### DISPLAY

- Gross weight
- Audible and visual alarm
- Sealed to IP55

### DESCRIPTION

The VanWeigh® axle overload protection system is specifically designed for two axle vehicles with mechanical suspension. Each axle load is monitored with an electronic sensor. The system has no moving parts and is not susceptible to wear or slipping out of calibration.

The information is displayed to the driver on the digital indicator and a visual and audible alarm sounds if the total vehicle or axle weight maximum is infringed.

VanWeigh® includes an optional output for tracking and telematics, allowing communications between the two systems to capture weight, alarm and overloading events.

### FEATURES

#### Axle protection

Environmentally-sealed electronic sensor monitors each axle loading conditions.

#### 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.

### APPLICATIONS

- LCVs
- Vehicles up to 7.5tonne

### Alerts for three conditions

Safe - indicates loads up to 90% for each axle and total load.

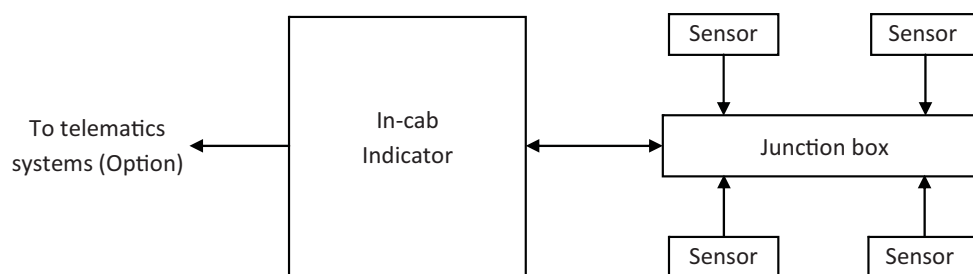
Warning - indicates loads between 90% and 100%.

Overload - alerts the driver to an axle or vehicle infringement above 100% load.

### Choice of three screens

- Screen 1: the standard dial view screen.
- Screen 2: a graphical van display with the actual weight in kg and the percent of true load vs load capacity.
- Screen 3: an actual weight and percent of the GVW and axles.

### SYSTEM BLOCK DIAGRAM



<b>SPECIFICATIONS</b>				
<b>PARAMETERS</b>	<b>MINIMUM</b>	<b>TYPICAL</b>	<b>MAXIMUM</b>	<b>UNIT</b>
<b>SYSTEM</b>				
Accuracy	3			% of full scale
Gross weight (GVW)			7.5	tonnes
Operating voltage	10		30	Vdc
Supply current - standby			5	mA
Supply current - operating			400	mA
Operating temperature	0		60	°C
Environmental protection Sensors Screen		IP66 IP55		
Safe weight setting		Up to 90%		Of full scale
Warning weight setting		90 - 100%		Of full scale
Overload weight setting		100 - 110%		Of full scale
<b>INTERFACES</b>				
Telematics output		From rear of indicator		
Power connector		3 wire from connection unit in cab		
<b>INDICATOR</b>				
Screen size		160 x 120		Pixels
<b>ACCESSORIES AND OPTIONS</b>				
Mounting types		Adjustable bracket		
Telematics cable				



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