

Axle Overload Protection for Vehicles up to 18 Tonnes



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.

APPLICATIONS

- LCVs
- Vehicles up to 18 tonne

FEATURES

Axle protection

Environmentally-sealed electronic sensor monitors each axle loading condition.

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.

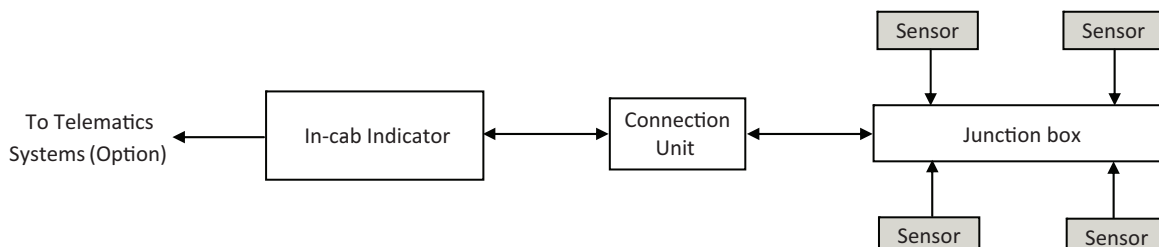
Alerts for three conditions

- 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

Choice of three screens

- Screen 1: Dial view screen
- Screen 2: Graphical van display with the actual weight in kg and the percentage of payload vs. load capacity
- Screen 3: Digital weight reading of each axle, GVW in kg and the percentage of payload vs. load capacity

SYSTEM BLOCK DIAGRAM



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SPECIFICATIONS				
PARAMETERS	MINIMUM	TYPICAL	MAXIMUM	UNIT
SYSTEM				
Accuracy	3			% of full scale
Gross weight (GVW)			18	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
INTERFACES				
Telematics output	From rear of indicator			
Power connector	3 wire from connection unit in cab			
INDICATOR				
Screen size	160 x 120			Pixels
ACCESSORIES AND OPTIONS				
Mounting types	Adjustable bracket			
Telematics cable				

Disclaimer

All product specifications and data are subject to change without notice.

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