

## Axle Overload Monitoring for Medium and High Capacity Trucks

### FEATURES

- Truck capacity more than 8.3 tons (US), 7.5 tonne (Europe)
- Accuracy—better than 2.5% (90–110% of FSD)
- Enable balance load distribution
- AxleWatch—axle weight and overload indication
- Automatic trailer identification
- Lightweight construction
- Easy to install
- Telematics output
- CANbus interface to sensors
- **Optional Features**
  - External alarm sounder
  - Packer plate shutdown
  - Serial printer—thermal or heavy duty
  - Custom printer header
  - 511 FreeWeigh—hand held remote display



### DISPLAY

- Graphic LCD with backlight
- Displays lbs or kg or percentage
- DIN or dash mount
- Gross/net
- Individual axle load
- Audible alarm
- Diagnostics

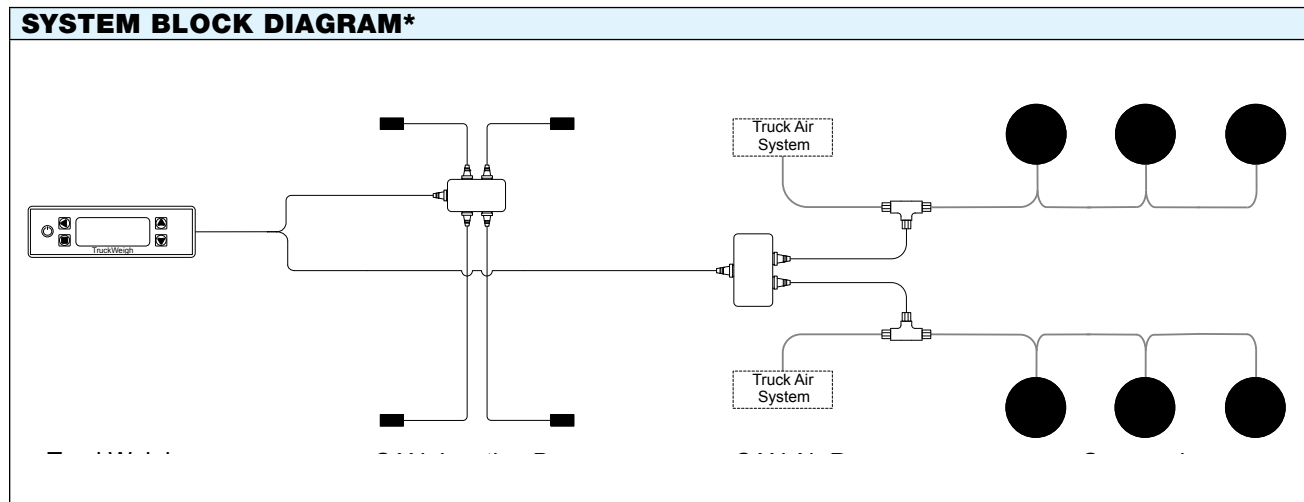
### APPLICATIONS

- All vehicles with mechanical and/or air spring suspension

### DESCRIPTION

TruckWeigh® combines our patented axle transducer technology and air pressure sensors. The system derives the vehicle loading condition from axle deflection and can be fitted to any vehicle having mechanical suspension, air suspension, or a combination of both. Light in construction, TruckWeigh® maximizes valuable payload capacity. State-of-the-art electronic sensors ensure maximum durability under harsh operating environments. With no moving parts, TruckWeigh® is not susceptible to slipping out of calibration due to mechanical wear. Suitable for both DIN radio slot and dash mount, the TruckWeigh® indicator displays the loading conditions of each axle, axle group, and/or complete vehicle. This system also includes the trailer identification functionality, negating the need for recalibration every time the trailer is swapped.

For continuous remote monitoring, TruckWeigh® can also be linked to third party compatible tracking systems to relay the vehicle loading condition to the depot.



\* 6 sensor system shown for example purposes only. Other configurations also available.

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<b>SPECIFICATIONS</b>				
<b>PARAMETERS</b>	<b>MINIMUM</b>	<b>TYPICAL</b>	<b>MAXIMUM</b>	<b>UNIT</b>
<b>SYSTEM</b>				
Accuracy	Better than 2.5%			90–110% of FSD
Capacity (GVW)	7.5	–	–	tonne (Europe)
	8.3	–	–	ton (North America)
<b>Operating voltage:</b>				
12 V truck	11.5	–	15	VDC
24 V truck	15	–	30	VDC
Operating temperature	–20	–	60	°C
	–4	–	140	°F
<b>Current at 4 off sensors:</b>				
12 V truck	–	–	400	m/A
24 V truck	–	–	300	m/A
<b>Current standby:</b>				
12 V truck	–	–	5	m/A
24 V truck	–	–	10	m/A
Weighing mode	Net, gross, axles			–
<b>INDICATOR</b>				
Display type	Graphic LCD			–
Size	79.0 x 30.9			mm
	3.11 x 1.22			inches
Operating temperature	–10 to +50°			°C
	14 to 104°			°F
Environmental protection	IP20			–
Display resolution	240 x 90			Dots
Signal input port	4 pin connector (for junction box)			–
Expansion port	12 way Molex mini-fit connector			–
<b>On screen display of weight:</b>				
Overload alarm – audible	Optional external alarm sounder on vehicle			–
Alarm output level (at 24 VDC)	–	102	–	dB(A)
Password protection	4 digits, manager and user PIN			–
<b>Load deliver capability:</b>				
Form factor	DIN cut out			–
<b>TRANSDUCERS</b>				
Transducer types	Up to 8 CANbus axle or air transducers			–
<b>INTERFACE – RS232</b>				
Baud rate	1200, 2400, 9600, 19200, 57600			bps
Connector	9 pin to printers / scoreboard			–
<b>ACCESSORIES AND OPTIONS</b>				
Packer plate shutdown	Adjustable bracket			–
511 FreeWeigh compatible	Wireless remote unit, 868MHz band, 15 channels			–
Serial printer	Thermal or heavy duty			–
Adjustable bracket	–			–



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