

AXSCEND | FLEET TECHNOLOGIES



CONNECTED FLEET TECHNOLOGY

TrailerMaster

AXSCEND | TRAILERMASTER | PATENTED TECHNOLOGY

KEY FEATURE

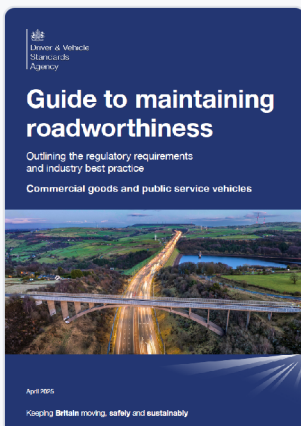
EBPMS®

ELECTRONIC BRAKE PERFORMANCE MONITORING SYSTEM

www.axscend.com

Maximise 'Uptime' with TrailerMaster

Maximise your trailer's 'uptime' with our TrailerMaster solution featuring our patented Electronic Brake Performance Monitoring System (EBPMS®). Monitor every brake event of a trailer, live, whilst in normal operation. Continuous, 'in service' monitoring of trailer brakes via an EBPMS® solution is a recognised alternative to Roller Brake Testing by the DVSA and is included in the latest 'Guide to Maintaining Roadworthiness'.



5.4 Electronic braking performance monitoring system (EBPMS)

The service brake performance can be monitored and assessed using EBPMS. Using this system braking performance is continually monitored and compared against the statutory requirements for the type of vehicle or trailer fitted with EBPMS.

EXTRACT — DVSA GUIDE TO MAINTAINING ROADWORTHINESS

How EBPMS Works

EBPMS continuously monitors every brake event of a trailer in real-time during operation. It analyses and filters braking data to ensure only valid information is used to calculate a brake performance value. This data is reported to operators via the Axscend Portal, providing actionable insights into trailer braking efficiency.

The system utilises data from the trailer's Electronic Braking System (EBS) and TrailerMaster telematics, accounting for variables such as road angle and bogie load to calculate deceleration (change in speed over distance and time). These data points are plotted on an easy-to-read graph against the DVSA pass mark for braking performance.

Advantages of EBPMS Over Traditional Methods

Traditionally, trailer brakes are tested periodically using roller brake testers, which provide a static performance score under simulated conditions. However, EBPMS offers a dynamic and continuous monitoring solution, recognised by the DVSA as an alternative to roller brake testing and requires only one laden roller brake test annually during the MOT.

Key benefits of EBPMS include:



Dynamic Testing

Brake efficiency is calculated during normal operation, accounting for varying load and road conditions.



Real-World Data

Performance is measured at highway speeds, not just slow speeds on roller testers.



Correct Working Temperature

Brakes are tested while operating at their normal temperature.



Proactive Maintenance

Operators can identify and address potential issues before they escalate.



Flexible Reporting

Generate reports at intervals to meet statutory requirements or analyse specific periods for deeper insights.



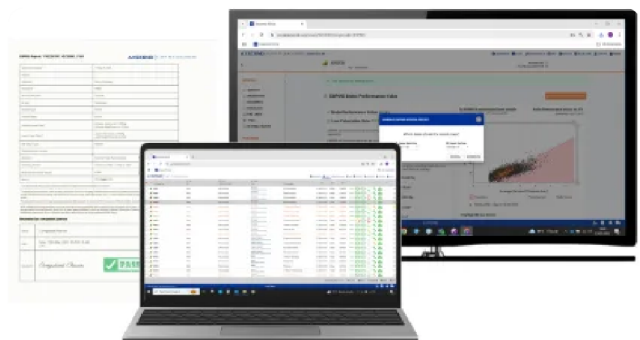
Maximised Uptime

Continuous monitoring helps keep trailers on the road longer.

EBPMS Reporting

EBPMS scores are calculated every 24 hours, incorporating the latest brake event data into the sampling period. Sampling periods can be adjusted to align with trailer service inspections. Reports can be downloaded via the online portal, reviewed, and added to compliance records alongside service inspection documentation.

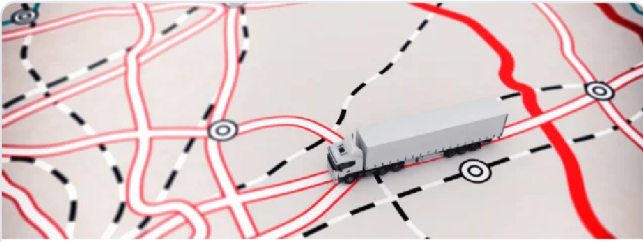
It is important to note that EBPMS gathers data for the entire tractor-trailer combination, making it not directly comparable to roller brake test results. A poor EBPMS score may indicate issues with the tractor unit's braking system. In such cases, a laden graduated roller brake test is recommended for further investigation.



Flexibility and Compatibility

TrailerMaster is an independent system that can be installed on any articulated semi-trailer equipped with an EBS (*some exceptions apply). It is suitable for both new trailers and retrofitting existing fleets, making it a versatile solution for operators.

Features Include



Track & Trace

Full GPS tracking of your trailers with auditable journey log. Identify trailer location, if its connected to a tractor unit and moving with the touch of a button. Create 'POI' geofences with ease and be alerted to trailers arriving or departing. Proactively manage your trailer fleet & never lose a trailer again.



EBPMS®

EBPMS offers dynamic, live monitoring of your trailers brake performance whilst in service. Continuous monitoring of trailer brakes via an EBPMS solution is a recognised alternative to 'Roller Brake Testing' by the DVSA and is included in the latest 'Guide to Maintaining Roadworthiness'.



EBS Diagnostics & Odometer

Remotely monitor & download EBS odometer and diagnostic trouble code (DTC) messages online, saving on engineer callouts for non-critical issues. TrailerMaster provides you with real-time information on the status of your trailers EBS allowing you to respond quickly to potential safety concerns.



Axle Load Monitoring

Real-time information on trailer axle weight via your trailers EBS. Identify when your trailer is loaded/unloaded and ensure you remain compliant on payload. Identify trailers that are travelling empty to optimise your fleet and maximise load to mile ratio.



Utilisation & Performance Analysis

Our fleet 'Analysis' screen provides a visual overview of your trailers utilisation. Understand daily, weekly & monthly utilisation including mileage information ensuring you maximise trailer uptime. Make informed decisions about your trailer fleet based on facts not feeling.

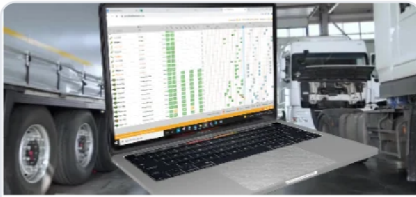


TPMS *option

View the tyre pressures of your fleet in real-time. Effective tyre pressure monitoring delivers improved efficiency and safety whilst reducing costs. We are independent of tyre suppliers, therefore we can work with you to ensure you can monitor every single tyre within your trailer fleet.

*option — UN ECE R141 regulation compliant options

Compliance Add-Ons



Electronic Maintenance Planner

Complete defect, service, maintenance & repair scheduling platform. Create schedules & upload documentation with ease using our DVSA Earned Recognition Approved software. Now with customised electronic workshop service inspection sheets.



Driver Walkaround & Defect Reporting APP

Fully customisable checklists specific to your operation and your vehicles. User friendly, intuitive tap-through process ensuring your drivers will be engaged from the outset by completing meaningful asset checks.



Complete Fleet Management

Manage maintenance spend, create cost centres and view by business unit and category. Control fuel cards and monitor fuel efficiency via dashboard reporting. Manage Insurance & licenses, tolls & charges all in one place.



We are proud to be an approved IT Supplier for the DVSA Earned Recognition Scheme



ABOUT US

Innovating Fleet Technology Since 2001

At Axscend Ltd, we specialise in smart, reliable fleet technology solutions that keep your business moving. Based in the UK and now part of the SAF-Holland Group, we bring over two decades of expertise and a passion for innovation to every product and service we offer.

Our mission is clear:

To be the best-in-class supplier of fleet technology systems and services, driving the success of our customers.

Whether you're looking to improve efficiency, enhance safety, or gain deeper insights into your fleet operations, Axscend is your trusted technology partner.



Improved safety. Increased efficiency. Complete visibility.

From regional hauliers to national fleets, our telematics and fleet-compliance solutions are trusted by many of the UK's leading transport and logistics operators.



EVRI

EVCARGO

ROMAC
LOGISTICS

ELDDIS
Transport

SEVEN
ASSET MANAGEMENT



TIGER
LOGISTICS

Maxi
Maxi Haulage Limited

FleetAssess
Fleet Management Solutions

Zenith

DENHOLM
UK LOGISTICS

Drop back-cover photo — fleet at dusk / depot yard
or logo file

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