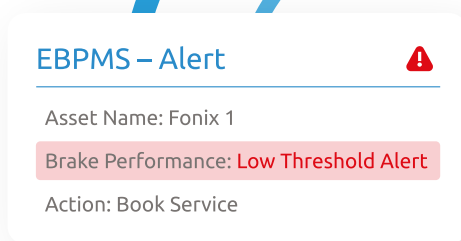


ELECTRONIC BRAKING PERFORMANCE MONITORING SYSTEM (EBPMS)

FONIX[®]
TELEMATICS

Save over **£1000 per year**,
per trailer with the Fonix
EBPMS Solution.





EBPMS – Alert 

Asset Name: Fonix 1

Brake Performance: **Low Threshold Alert**

Action: Book Service

WHAT IS EBPMS?

An Electronic Braking Performance Monitoring System (EBPMS) is designed to continuously monitor and record the braking performance of trailer brakes.

By using data from the trailer's electronic braking system (EBS) and other onboard sensors, it delivers valuable insights to fleet managers. These insights help ensure safer operations, support regulatory compliance, and enable more efficient maintenance planning.

The system works by autonomously collecting data during every braking event, capturing parameters such as speed changes and demand pressure from the EBS. It then analyses this

information to calculate a braking performance value. Real-time monitoring allows the system to flag any underperformance, alerting fleet managers to take corrective action before issues escalate, ensuring consistent brake effectiveness across the fleet.

EBPMS also supports DVSA regulatory compliance by providing verifiable data that can be used as part of a preventative maintenance program, potentially reducing reliance on traditional roller brake tests. With early detection of brake issues and data-driven maintenance scheduling, fleet operators can benefit from improved trailer uptime, enhanced safety, and significant cost savings.

HOW HAS THE DVSA'S GUIDANCE CHANGED?

Vehicle operators and drivers are legally required to keep their vehicles roadworthy when operating on public roads.

The DVSA's Guide to maintaining roadworthiness recommends best practices for commercial vehicle maintenance, including a preventative inspection regime for brakes on vehicles and trailers. It strongly advises using a calibrated roller brake tester during safety inspections and recommends brake testing with the vehicle or trailer laden.

To address the impact of this new brake testing guidance, the DVSA have defined the performance requirements for an electronic brake performance monitoring system (EBPMS), giving real-time insights and reporting that reduces the need for regular roller brake testing.



The EBPMS must meet specific technical requirements, including:

- ✓ Providing braking performance values with a 95% confidence interval and less than 3% margin of error
- ✓ Using data that minimizes invalid influences such as ABS cycling or improper speeds
- ✓ Compensating for factors like gravity on inclines
- ✓ Excluding data where braking demand pressure cannot be met by the towing vehicle

BENEFITS OF EBPMS ON TRAILER FLEETS



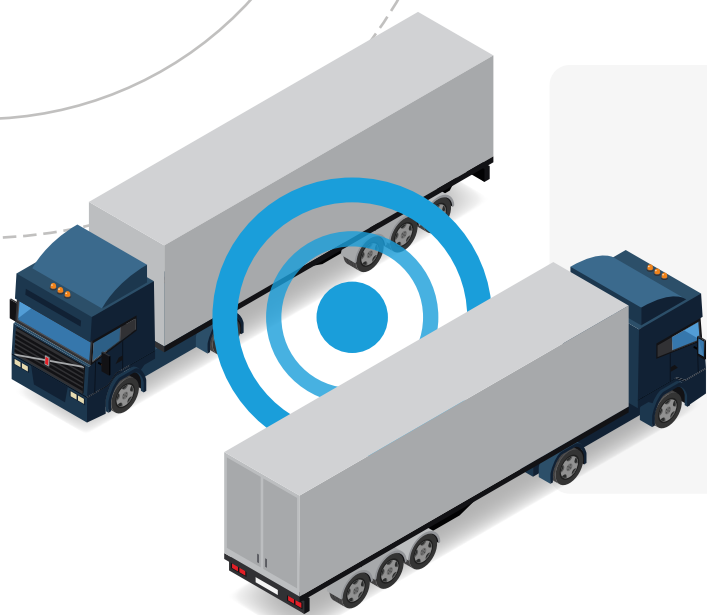
Lower Maintenance Costs

- Identifies brake issues early, reducing the need for emergency repairs.
- Improves component lifespan through condition-based maintenance.
- Minimises downtime by streamlining diagnostics and repair planning.



Operational Efficiency

- Improves fleet uptime and vehicle availability.
- Reduces the number of unscheduled stops due to brake faults.





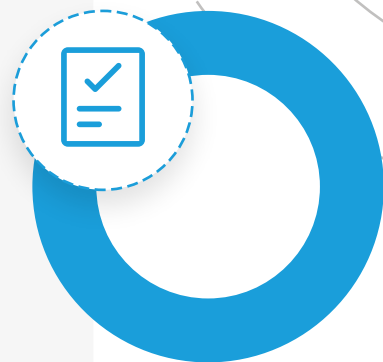
Enhanced Safety

- Real-time brake performance monitoring reduces the risk of brake failure.
- Immediate detection of braking imbalances or underperforming components helps prevent accidents.
- Supports proactive maintenance scheduling to avoid roadside breakdowns.



Compliance with Regulatory Standards

- Helps meet DVSA's Earned Recognition and other brake performance monitoring requirements.
- Provides automated audit trails and compliance data for inspections and legal defence.
- Reduces reliance on roller brake testing by supplying in-service performance data.



BENEFITS OF EBPMS ON TRAILER FLEETS



Improved Driver Confidence & Accountability

- Ensures drivers operate vehicles with known, verified brake performance.
- Flags misuse or early signs of driver-induced brake wear or faults.



Data-Driven Insights

- Provides trend analysis on braking performance over time.
- Supports root cause analysis of repeated issues.
- Enhances fleet safety strategies through evidence-based decisions.



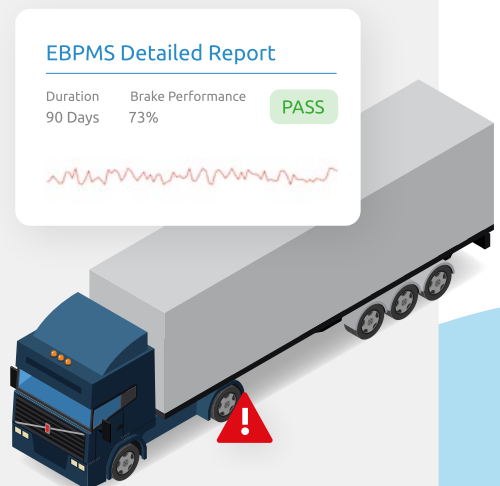
FONIX EBPMS PACKAGES

We have created two packages for you to choose from. Whether you want to keep it simple with an EBPMS only solution or maximise the data available with a full suite of features, the choice is yours.

Trailer EBPMS

The Trailer EBPMS package provides you with two trailer compliance reports. One individual trailer and a collective fleet report with a simple traffic light system to display the trailer performance results.

- ✓ Trailer Detailed Report
- ✓ Trailer Summary Report
- ✓ EBPMS Alerting



Trailer **EBPMS Plus**

The Trailer EBPMS Plus package provides you with two trailer compliance reports and a telematics solution. The individual trailer and summary report as well as a suite of tools to monitor and optimise the operation of your trailer.

- ✓ Trailer Detailed Report
- ✓ Trailer Summary Report
- ✓ EBPMS Alerting
- ✓ Trailer Tracking
- ✓ Load Monitoring
- ✓ Geofencing
- ✓ Unauthorised usage
- ✓ Utilisation Alerting



WHY BUY THE FONIX EBPMS



Autonomous Compliance

Once installed, the Fonix EBPMS Unit will send information to our servers, where it will autonomously produce test results and alert you to any required actions.



Versatility

Our EBPMS device can be installed on any trailer to allow one provider for multiple trailer fleets.



Functionality

Built-in 4G Technology is used to future-proof the solution for years to come. This guarantees exceptional performance in any environment.



Quick Installation

Installation time is normally 1 hour per device, which allows units to be installed when vehicles go in for their regular service.



Price point

Our devices are at a fantastic price point. This, coupled with low installation time, allows us to offer a very cost-effective solution.



Design & Functionality

Our units are designed to withstand the harshest of environments. The hard-wearing waterproof casing protects the intelligent boards that extract the vital information from the EBS.

The Fonix EBPMS integrates with all major Electronic Braking Systems





"5 stars, that's all I can say.
The cameras, the software, the
install – it's all been brilliant."

Nigel Shuttleworth
Fleet Manager – BEW Electrical

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