



HIGH TECH FOR GREATER SAFETY

With Progress Rail's FUES EPOS (Easy Pull-Out System) Hot Axle Box and Hot Wheel Detector (HBD), bearings, wheels and brakes can be reliably measured on the track and analyzed. Thermal radiation is measured in the relevant areas in real-time using cutting-edge, infrastructure technology, and the actual temperature is determined and reported using specially developed software algorithms. Thanks to its modular design, the FUES EPOS lends a high degree of flexibility to its field of application.

PERFECT FOR FIXED TRACK

The FUES EPOS is suitable for use on fixed track, using the fixed track rail equipment carrier variant. Various fixed track variants were considered. The standard EPOS modules remain unchanged.

EXTREMELY SAFE EVEN UNDER EXTREME CONDITIONS

The FUES EPOS performs reliably, even under extreme weather conditions. Whether operating in the desert or the Arctic Circle, temperatures and outside environmental factors present no problem.

Progress Rail
A Caterpillar Company

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PROVEN SOLUTION WITH A NUMBER OF ADVANTAGES

More than 1,500 installed systems have proven they can withstand daily use to ensuring safe rail operations, no matter where they are operating in the world. The FUES EPOS works for train speeds from 3 km/hour to 500 km/hour and is compatible with all standard trains, axles and brakes. It can be adapted to different measuring positions, and comes complete with all-around service. Other advantages of the system are its superior quality, durable and easy maintenance.

FUEL EPOS ADVANTAGES

EASY INSTALLATION AND MAINTENANCE

- Modular design and high level of compatibility with standard rolling stock
- Continuous, high-precision measurement
- High degree of availability and extended service life
- Intelligent software that prevents the signaling of false alarms
- Future security through expandability
- Attractive investment rate, low life-cycle costs
- Reduced number of easy pull-out components shortens the track access times required
- Multilingual software with a remote diagnosis and system configuration option

PROGRESS RAIL INTEGRATED SOLUTIONS

- Ready-to-use measurement modules —calibration data are stored in the measurement module
- Expandability through hardware upgrades (DED, WIM, HWL, etc.)
- Extended functionality through software upgrades
- Basic, user and expert training
- Application support / hotline
- Technical support
- Spare parts and customer-coordinated RMA process
- Optional RAD-X alarm system (supervisory Control and Data Acquisition, SCADA)

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