UN ECE R141 Compliant TPMS Simulator

Advanced CAN-Bus Simulation for Tyre Pressure Monitoring Systems

ECE R141 Protocol Accuracy: Fully compliant with ECE R141 CAN-Bus protocols and message intervals, ensuring seamless communication with all EU-standard vehicles.

Industrial Reliability: Built into a high-durability transit case for field testing and lab environments, featuring robust industrial PCB design.

Trailer Simulation Mode :

Acts as a smart trailer to simulate TPMS CAN messages sent to the towing vehicle. It allows the user to configure axle/wheel layouts and transmit real-time pressure and temperature data.

Supports mandatory status messaging: Sufficient, Insufficient, Error Indicator, and Not Available. Used to verify dashboard warning lights and the accuracy of the vehicle's onboard computer.
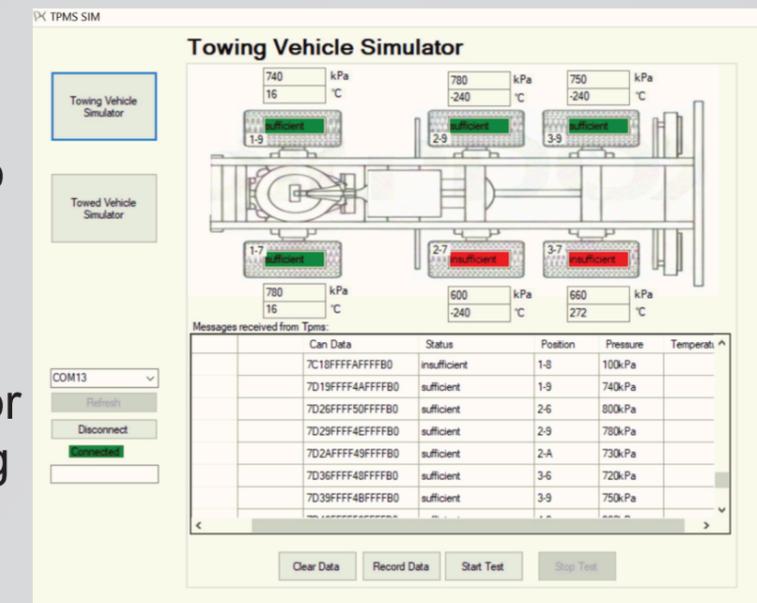
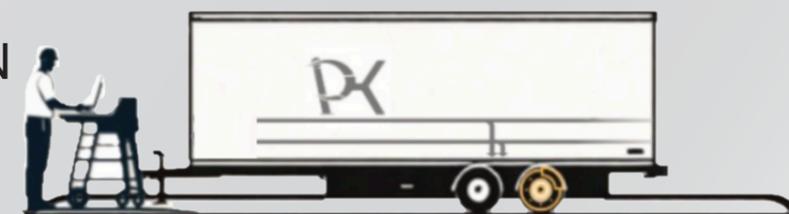### Towing Vehicle Simulation Mode:

Acts as the towing vehicle to capture and decode TPMS messages originating from the trailer. It visualizes pressure and temperature for up to 6 tires while monitoring all TPMS-related network traffic.

Detailed Data Logging:
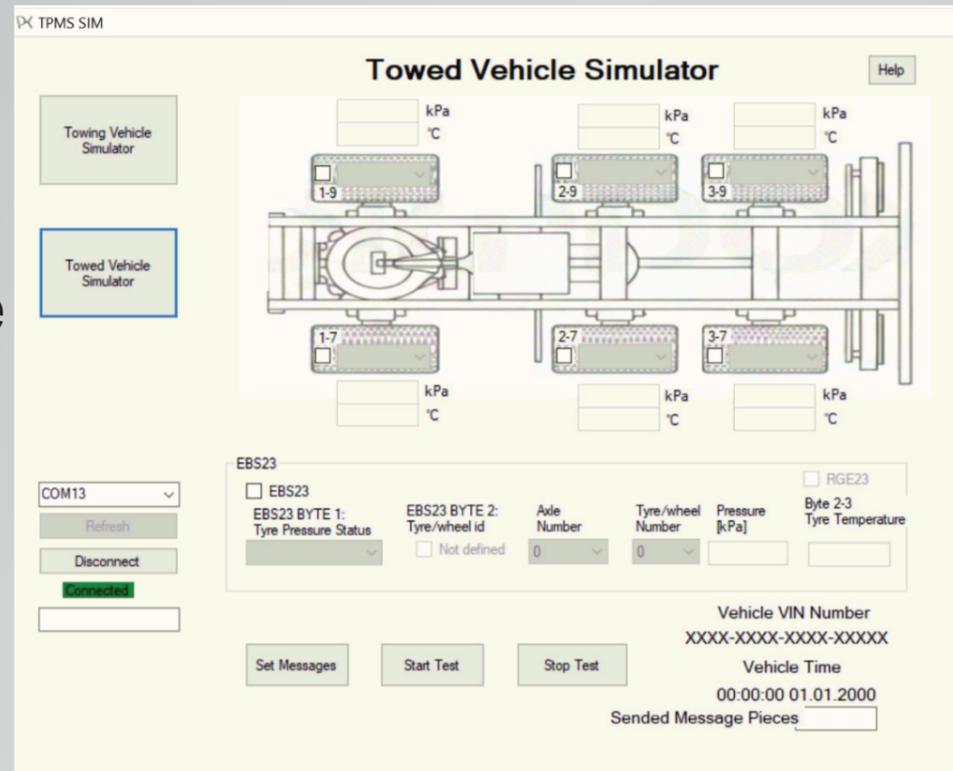Capable of capturing and recording all incoming CAN messages in Excel (.xlsx) format for comprehensive auditing and reporting.