



Vehicle Telemetry

Monitoring system for durability testing

ISAAC Instruments' Data Recorder Units (DRU) are rugged and easy to install. Their simple configuration has driven users to add recorders to their test vehicle fleet. The cost of durability testing is reduced while acquiring more data.

While vehicles are being tested and developed on proving grounds, the vehicle bus, external sensors and GPS parameters are relayed to a data server and multiple clients. Critical parameters are displayed in real-time on screen while data is used to produce comprehensive time history reports. ISAAC Instruments' proven Vehicle Telemetry software ensures an accurate overview of all on-site vehicle operations.

The real-time monitoring gives a completely new perspective to vehicle test/development and proving ground operations.

ISAAC Instruments' Vehicle Telemetry system benefits:



Safety



Quality



Profitability



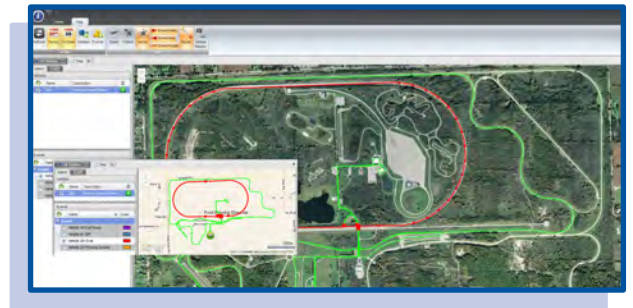
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Safety

Improving safety on the test track protects human and material resources. Using the Real-Time Vehicle Monitor software allows you to:

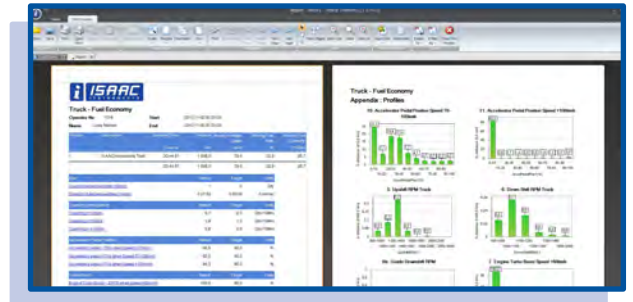
- Manage vehicle traffic with more accuracy by eliminating delays typical of voice communications
- Enforce speed limits
- Manage spacing, timing and prevent collisions
- Improve response time in case of incidents or accidents
- Prevent mechanical failures by monitoring Diagnostic Trouble Codes (DTC)
- Assure visibility for all weather conditions and during night time



Quality

The test quality is defined by its conformity with the test plan. Achieving conformity is ensured by measuring and summarizing critical parameters. Using the Vehicle Telemetry software allows you to:

- Accumulate mileage, engine time, etc.
- Establish profiles (histograms)
- Report and count alarms
- Compare the procedure with the mission profile
- Validate and control the test procedures
- Reduce inconsistencies through driver training
- Communicate test evolution with automatic daily emails



Profitability

Faster and more efficient testing generates higher profitability. Vehicle Telemetry software significantly contributes to:

- Reduced overall test time
- Reduced communications with a control center
- Simplified control procedures
- Minimized overall control costs
- Undisputable billing
- Increased testing value

