

Data & Feature Set

Geotab and Mercedes-Benz Connectivity Services (US) Integrated Solution

The data points and features described in this document are subject to change and should not be considered final. As we continue to refine and finalize this integrated solution with the OEM, the finalized offering will be communicated to Geotab partners and end users.

Data set

Name in MyGeotab UI	Data Frequency (MBCON Premium)
	All signals except GPS reported every 120 sec or based on event/trigger
Engine road speed	✓
Ignition	✓
GPS Coordinates	✓ (30 seconds)
Odometer	✓
Fuel level (percentage)	✓
Fuel level (volume)	✓
Average fuel economy	✓
Generic DEF range	✓
Electric vehicle distance remaining	✓
Generic distance remaining	✓
Generic fuel level low warning light (0. Off, 1. On)	✓
Oil level low warning light (1. On)	✓
DEF level	✓
Fuel level low warning	✓
Average EV energy economy since onboard trip computer reset	✓
ICE fuel economy since onboard trip computer reset	✓
Electric vehicle trip energy consumption	✓
Electric Vehicle (EV) time to fully charged	✓
Electric vehicle charging state (0. Not charging, 1. Ac charging, 2. Dc charging) 1	✓ ¹

Generic state of charge	✓
Brake fluid warning	✓
Check brake pads	✓
Brake Pad Warning	✓
Engine coolant level low	✓
Engine coolant temperature	✓
Limp mode active	✓
Engine oil level	✓
Time remaining until service required ²	✓ ²
Distance remaining until service required ²	✓ ²
Telematics device voltage	✓
Low battery warning	✓
Low Washer Fluid	✓
Tire Pressure Monitor System Warning ³	✓ ³
Tire Status Indicator FL ³	✓ ³
Tire Status Indicator RR ³	✓ ³
Tire Status Indicator RL ³	✓ ³
Tire Status Indicator FR ³	✓ ³
Tire pressure: Front left ³	✓ ³
Tire pressure: Front right ³	✓ ³
Tire pressure: Rear left/Outer rear left ³	✓ ³
Tire pressure: Rear right/Outer rear right ³	✓ ³
Mercedes-Benz Driving Score Acceleration (0-100%) ⁴	✓ ⁴
Mercedes-Benz Driving Score Bonus range (km) ⁴	✓ ⁴
Mercedes-Benz Driving Score Constancy (0-100%) ⁴	✓ ⁴
Mercedes-Benz Driving Score Freewheeling (0-100%) ⁴	✓ ⁴
First row left seat belt (1. Unbuckled) ⁴	✓ ⁴
MBCon driving acceleration: Longitudinal negative outlier duration ^{4,5}	✓ ⁴

MBCon driving acceleration: Longitudinal positive outlier duration ^{4, 6}	✓ ⁴
MBCon driving acceleration: Longitudinal regular acceleration duration ^{4, 7}	✓ ⁴
MBCon driving acceleration: Lateral negative outlier duration ^{4, 8}	✓ ⁴
MBCon driving acceleration: Lateral positive outlier duration ^{4, 9}	✓ ⁴
MBCon driving acceleration: Lateral regular acceleration duration ^{4, 10}	✓ ⁴

¹ Charging status may not report correctly based on the type of charger being used. We do not get a clear distinction between AC vs DC charging from the OEM data feed due to which the vehicle may appear as not charging.

² This datapoint is visible based on the vehicle service requirement

³ Available only for vehicles with tire pressure monitoring systems

⁴ Available only on newer vehicles, please ensure to check the details in vehicle eligibility response

⁵ Duration in ms where negative longitudinal acceleration has exceeded the defined threshold (< -0.2 g) during the given measurement window

⁶ Duration in ms where positive longitudinal acceleration has exceeded the defined threshold (> 0.2 g) during the given measurement window.

⁷ Duration in ms where longitudinal acceleration has not exceeded the defined threshold (between +/-0.2 g) during the given measurement window

⁸ Duration in ms where negative latitudinal acceleration has exceeded the defined threshold (< -0.2 g) during the given measurement window.

⁹ Duration in ms where positive latitudinal acceleration has exceeded the defined threshold (> 0.2 g) during the given measurement window

¹⁰ Duration in ms where latitudinal acceleration has not exceeded the defined threshold (between +/- 0.2 g) during the given measurement window

Notes:

- **All data points other than GPS are reported at 120-second intervals, or based on event/trigger.**
- Speed data is not available on the Metris Model.

Feature set

Key Features

Productivity

Watchdog report	Partially Supported (Heartbeat is not available)
Trips, Zones, Personal mode	✓

Sustainability

Idling	✓
EV Charging history	Partially Supported (SOC Odometer Only; Charging Energy not available)
Fuel and EV Energy Usage report	Partially Supported (except energy) ✗
Fill Ups Report	✓
Range estimation, Battery state of health estimation	✗

Safety

Collision notification	✗
Speeding	Partially Supported (Speed reported only every 2 mins; Posted speed comparison not available)
Driver Seatbelt	✓
Harsh Acceleration / Braking / Cornering	✗
ADAS Signals	✗
Driver Coaching	✗
Collision reconstruction	✗

Maintenance

Faults	✗
Battery drain	✓
Engine Abuse	✗
Reminders	✓ (Based on time or distance)

Compliance

DVIR, IFTA	✓
HOS	✗

Expandability (IOX)	
IOX Support	x
Detailed Feature List	
Availability	US
Hardware Installation	No additional hardware required for eligible vehicles
Application	
Web-based tracking	✓
Web-based trip log	✓
Support for multiple map types and views	✓
Unlimited customer zone importing, editing and creation (geofencing)	✓
Notifications on zone entry/exit	✓
Flexible group structure for vehicles, zones (customers), users, rules, drivers, and reports	✓
Powerful and customizable business event rules	✓
Combination event rules	✓
Email, web-based popup, text message and web service call notifications on rule event	✓
Roadside Add-In for towing, locksmith, battery boost, fuel delivery, flat tire change, & more. USA and Canada only, with fleet-wide utilization of the ProPlus plan. Other conditions apply	x
Personal Mode	✓
Collision Reconstruction Add-In	x
Data Connector, bring curated data into popular BI Tools (also available as paid Add-In)	Partially Supported (GPS, ODO features supported)
Built-In Rules-Based Event	
Speeding	Partially Supported (Speed reported only every 2 mins; Posted speed comparison not available)
After-hours usage	✓
Productivity (idling, arrival/departure times, etc.)	✓
Backup when leaving	x
Engine diagnostics and issues	✓
Dangerous driving (acceleration, braking, cornering)	x
Seatbelt usage	x
Collision	x
Low battery warning	✓
Engine misuse (over-revving)	x
Reports	
Over 30 built-in reports	✓
Customizable dashboards and reports	✓
Trending dashboards and reports	✓

Report scheduling	✓
Private vs. Business mileage	✓
IFTA fuel tax reports	✓
Driver scoring reports	✗
Risk management reports (insurance use case)	✗
Customer stops by zone report	✓
Driver congregation report	✓
Customizable work hours, time off, and timecard reports	✓
Collision reconstruction report.	✗
Find nearest vehicle to location including distance	✓
Maintenance reminders scheduled by time or distance	✓
Maintenance reminders scheduled by engine data parameters	✓ (only ODO, no engine hours)
Unlimited users	✓
Flexible user access control – features can be hidden or limited based on user or vehicle groups	✓
Ability to audit all database actions	✓
Scalable – up to 50,000 devices in one database	✓
One year of cloud storage with tools for local file export	✓
Industry best practices for security	✓
Best-in-class Tier 2 and Tier 3 engineering support	✓
Engine Data	
Odometer and Engine road speed	✓
Coolant temperature	✗
Driver's seat belt	✗
Passenger seat occupied	✗
Passenger seatbelt	✗
Total fuel used	✗
Total idle fuel used	✗
Fuel level input (to identify fuel-up events and for data integration with fuel card)	✓
RPM	✗
Ignition detect	✓
Check Engine Light	✗
Engine faults, including unknown proprietary engine faults	✗
EV driving energy used	✓ (trip data only)
EV battery charge % (SOC)	✓
EV charging status	✓
EV charging energy	✗
In-vehicle Audible Alerts / Driver Feedback	✗

Drive App (Mobile device/tablet, data plan for HOS are extra cost.)

Asset Inspection	✓
US Federal Regulations (§396)	✓
Canadian Regulations (NSC 13)	✓
Drive App Hours of Service (HOS)	✗
US Federal Interstate Regulations (§395); US property/passenger 60-hour/7-day & 70-hour/8-day; US property/passenger short-haul; 16-hour day support	✗
Select US Intrastate Regulations; California property/passenger intrastate	✗
Canadian Federal Regulations ELD	✗
Automatic duty status changes	✗
Adverse weather condition support	✗
Oil industry exemption support	✗
Yard Move and Personal Conveyance support	✗
Driver identification and co-driver support	✓
Works alongside other third-party applications installed on mobile device/tablet	✓
2-way messaging	✗
Dispatch zone, address, or route to vehicle via messaging	✗
Rules-based driver feedback via messaging	✗
Navigation using built-in mobile device/tablet application or third-party navigation	✗
Automatic driver-to-vehicle pairing when logged in to the Drive App	✓
Drive App Add-Ins	✓
Privacy Mode	✓

Expansion

Custom Add-In integrations available	✓
Access partner Add-Ons and solutions through the Marketplace (additional cost may apply)	Limited
Advanced Software Development Kit (SDK) supporting full integration and customization (C# & Javascript integration, full AJAX/JSON interface)	✓
IOX Support	✗

Device

End-to-end security using authentication, encryption, message integrity verification, individualized devices with unique IDs, non-static security keys, and digitally-signed firmware	✓
Patented advanced trip recording for accurate vehicle location and distance traveled	N/A
Wi-Fi Hotspot Functionality (additional monthly rate applies. Select regions only)	✗
Internal GPS antenna	✓
Position instantly available after cold start (ephemeris)	✗
Simple to install	✓ (no additional hardware needed)
Installation record (date/time/location) when unit connected	✗

Device tampering/removal detection with date/time/location stamp	N/A
Voltage monitoring on crank (indicates electrical battery health)	✗
Battery voltage monitoring via regular heartbeats when ignition is off (identifies battery drain – door open/light left on)	✗
Self-calibrating accelerometer – no vehicle setup required	✓
Detect towing events (moving with ignition off)	✗
False positive filtering (does not record railroad tracks, speed bumps or potholes as aggressive driving)	✗
Collision data memory buffer records over 100 minutes of second-by-second data – auto detection and upload of last 1.2 minutes on collision	✗
On-device memory for logging out-of-coverage situations	✓ (Up to 1 month of driving data)
Automatic OBD/CAN protocol detection at device install	✗
Automatic VIN readout	✓
Estimated odometer and engine hours (not based on engine data)	✓
Actual engine hours, engine road speed & odometer from engine	Limited (no engine hours)
Over-the-air firmware updates	✓
Over-the-air plan upgrades	✓
Over-the-air parameter modifications	✓
IP indemnification	Limited (applicable only to MyGeotab)
Limited lifetime warranty (Certain conditions apply)	Refer to Mercedes Benz support

Active Tracking – Live Vehicle Location

Real-time audible alerts or verbal coaching for rules-based driver feedback	✗
Map updated with live vehicle movement	✗

This solution is available for Mercedes-Benz vehicles domiciled in the US.

We are continuously adding support for more features and data. This document reflects the latest features and data set available. If you are interested in a specific feature which is currently unavailable, please contact your Geotab Partner.