WINGMATE CAN Logger

Specification Sheet

	Standard	Plus
Collect data from		
GPS	✓	✓
CAN bus	✓	✓
Protocol	J1939, OBDII	
Custom	14 parameters	
RS232	✓	✓
Analogue inputs	—	✓
Range		0 - 30 V or 0 - 5 V
3-Axis accelerometers	—	optional
3-Axis gyros	—	optional
Recording data		
Logging rate	200, 300, 500 or 1000 msec	
Log file format	CSV	
Software utilities		
Google earth export utility	✓	✓
Trip report	✓	✓
Setup editor	optional	optional
General		
Power supply	9 - 34 Volt	
SD card	2 GB	
Weight	385 gr	
Dimensions W x H x D	103 mm x 53 mm x 120 mm	
Antenna	✓	✓

Version 1.1

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WINGMATE
FLEXIBILITY IN LOGGING AND CONTROL

Introducing WINGMATE CAN Logger

WINGMATE CAN logger is a simple yet powerful data and tracking device designed to monitor any vehicle.

It features:

> trip data recorded directly onto an SD card
> logging data from CAN bus, RS232 and external sensors
> GPS position and speed recorded from in-built sensors
> Google earth export utility
> all data time stamped

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WINGMATE CAN Logger

WINGMATE is the perfect tool to monitor any vehicle. Each unit is setup to solve your specific data logging requirements with GPS data and up to 14 custom CAN parameters.

For example for electric vehicles it can log power, battery voltage, battery current, battery temperature and state of charge.

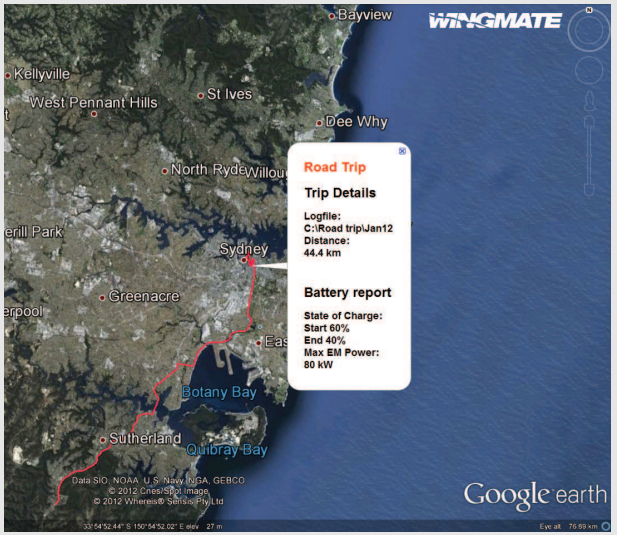
The CAN logger is easy to install. It only requires a 12 Volt power point and a connection to the vehicle's CAN bus.

In addition the unit can be setup to log an RS232 data string and up to six analogue inputs, providing you with a range of options to collect data from different sources.

When a trip is completed, simply load the SD card from the WINGMATE unit into a PC to review and analyse the data.

The CAN logger comes with an export utility to overlay your data onto Google earth. This utility is designed to show exactly where the vehicle has been. It can also generate a report with typical trip quality indicators. This report will give you a quick overview of the vehicle performance during the trip.

For example, for electric vehicles the report can contain the battery's state of charge at the beginning and at the end of the trip and the maximum power used by the electric machine.



Google Earth Overlay

This screen capture shows how the WINGMATE export utility can overlay trip data onto Google earth. This can also include a trip report.

Data Analysis Service

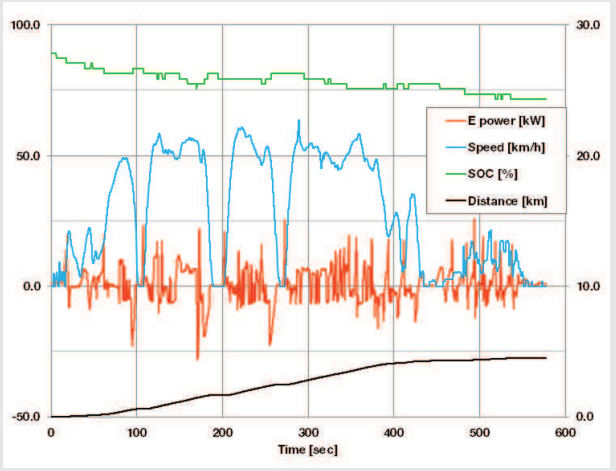
To get the most information out of your collected data, we offer a comprehensive data analysis service. We will work with you to determine the best way to solve your specific queries.

The first step is to decide which data is needed to answer your questions and at what rate this needs to be logged. We will provide you with the optimum setup of the CAN logger to collect exactly the required data.

The next step is to decide on the level of analysis and the frequency and detail of reporting. You can then simply send us the log files on a regular basis and we will produce customised reports.

When analysing hybrid plug-in vehicles for example, the report can show the energy consumption from the batteries and the saving of fossil fuel. All this related to typical trip characteristics. Also, a charging profile can be provided to report power grid loading.

All the collected data is also available to import in programs such as MS Excel, so you can analyse the data yourself.



Sensor Traces

Data can easily be imported in programs such as MS Excel to analyse the traces of the logged data in detail.