



## Calculations



A "Calculations" menu item has been added to the "Vehicle Functions" tab in the Tuning View. Firmware Version V1\_1\_115 or greater is required for these functions to work. There are two (2) functions within this tab:

### 1) Fuel Used Calculation

This function is particularly useful in motorsport applications when accurate fuel consumption data is required. The ECU sums all effective pulse widths and a "Fuel Used" value will be recorded in Litres (L). The Fuel Used is always stored when the ECU is powered down so the data is always retained.

There are several ways to RESET this value

- 1) Use the "Used Fuel Reset Switch" input channel configured from the Config View. When the Switch is ON the Fuel Used will be cleared to 0.00L
- 2) Select "Manual Reset" which clears Fuel Used to 0.00L. Set back to OFF when complete.
- 3) Select "Reset at ECU power up". Clears the Fuel Used to 0.00L each time the ECU is powered up.

It is possible due to errors in the fuel injector configuration that the output may be inaccurate. There is a "Fuel Used Correction" setting which allows the output to be scaled. Values of -100% to 100% are allowed for.

### 2) Distance Calculation

This function is very useful for a number of applications. The most probable application would be to calculate fuel economy when used in conjunction with the "Fuel Used" runtime.

The Distance is always stored when the ECU is powered down so the data is always retained.

There are several ways to RESET this value

- 1) Use the "Distance Reset Switch" input channel configured from the Config View. When the Switch is ON the Distance will be cleared to 0m.
- 2) Select "Manual Reset" which clears Distance to 0m. Set back to OFF when complete.
- 3) Select "Reset at ECU power up". Clears the Distance to 0m each time the ECU is powered up.