

Measure acceleration, lap times, G-forces, horsepower, and more with Racelogic's PerformanceBox



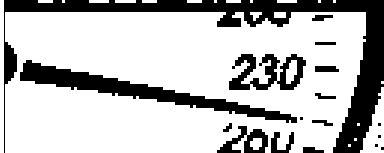
PerformanceBox measures:

- G-Forces
- Speed
- Lap & Split times
- 0-60
- 0-100
- Braking Distance and more

All these parameters are logged to an SD memory card ten times per second for later review and comparison.

PerformanceBox contains a high-performance 10Hz GPS engine and integrated antenna, providing a wealth of information with very easy installation and a compact size.

The PerformanceBox gets all its information from GPS satellites, and needs only power from a vehicle. The operation is split up into four modes:

PERFORMANCE MODE	LAPTIMING MODE	POWER MODE
<p><b>Acceleration:</b> 0-60, 0-100 Shows time, G-force</p> <p><b>Braking:</b> 60-0, 100-0 Shows time, distance, G-force</p> <p><b>Distance:</b> 60', 1/4mi, 1/2mi, 1mi Shows time, trap speed</p> <p><b>Live G-Meter:</b> Accel, Decel, and cornering G-forces, with max G</p>	<p><b>Lap Time Display:</b> Shows current lap, last lap, best lap</p> <p><b>Split Times:</b> Option to show split time or speed at a split point.</p> <p><b>Virtual Start/Finish/Split Lines:</b> Using GPS, There is no need for an external beacon or transmitter. Split lines can be easily saved and transferred.</p>	<p><b>Wheel HP Calculation:</b> Enter your vehicle's weight and run an acceleration to estimate wheel horsepower.</p> <p><b>Flywheel HP Calculation:</b> Perform a coast-down test to measure drag, and the PerformanceBox will calculate HP at the flywheel.</p>
<p><b>SPEED DISPLAY</b></p> 	<p><b>Speed Display:</b> PerformanceBox also works as a highly accurate digital speedometer with compass, a handy feature for street driving. POI files containing various Points of Interest can be loaded, and PerformanceBox will display an icon when you are approaching a point of interest. Great for locating spots such as speed cameras.</p>	

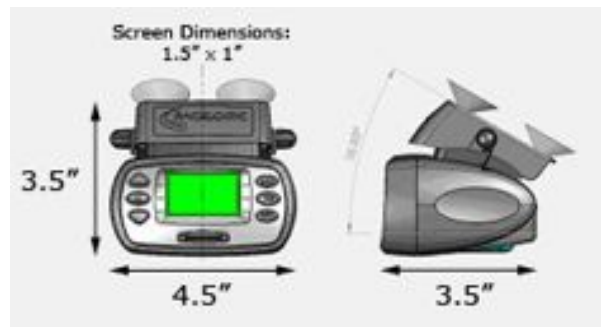
## Data-Logging

The PerformanceBox is equipped with a SD/MMC Flash memory card socket. This allows 10Hz logging of Time, Distance, Speed, Position, G-force, Lap Times, and Split Times. Data logged to the SD flash card can be analyzed in detail using the PC software provided. For convenience, the PerformanceBox can be connected to the USB port of a PC compatible computer to download information stored on the memory card. The data can also be read using a standard SD/MMC card reader.

Lap time, acceleration and HP results can also be written to the SD card as text files, for easy saving and transferring.

## Specifications

Power	+12v vehicle supply
Current	Approx 100mA
GPS Antenna	Internal Antenna
GPS Update Rate	10Hz
External Antenna socket	Yes, for optional Active Antenna
Storage Memory	MMC/SD Flash Card (128Mb card supplied)
Display	Graphic LCD with backlight
PC Connection	USB (connection cable optional)
Mounting Cradle	Suction mounting adjustable for windscreen angles of 30° to 55°
Operating Temperature	-20°C to +50°C



## Supplied software

The PerformanceBox is supplied complete with performance analysis software for the PC. This software allows user to display and analyze the information recorded by the PerformanceBox in data logging mode. Features include:

- Graphical display of logged parameters
- Full 3D Circuit plot
- Up to 4 overlaid comparison laps
- Detailed performance analysis

## Package Contents

- 12v vehicle power adapter
- Adjustable windscreen mounting cradle
- 128MB SD Flash Card
- CD with performance analysis software and User Manual

## Optional Accessories

- 110v AC power adapter
- USB Connection cable for downloading data from SD card and firmware upgrades
- External GPS antenna

