



DRIFTBOX

GPS Specifications

Velocity

- **Accuracy:** 0.1 Km/h (averaged over 4 samples)
- **Units:** Km/h or Mph
- **Update rate:** 10 Hz
- **Minimum velocity:** 0.1 Km/h
- **Maximum velocity:** 1600 km/h
- **Resolution:** 0.01 Km/h
- **Latency:** <160 ms

Distance

- **Accuracy:** 0.05 % (<50cm per Km)
- **Units:** Metres / Feet
- **Resolution:** 1 cm

Position Accuracy

- **2D Position:** $\pm 5\text{m}$ 95% CEP *
- **Height:** 10 Metres 95% CEP *

Acceleration

- **Accuracy:** 1 %
- **Maximum:** 4 G
- **Resolution:** 0.01 G

Heading

- **Resolution:** 0.01° (averaged over 4 samples)
- **Accuracy:** 0.2°

Drift Angle

- **Resolution:** 0.01°
- **Accuracy:** 1°

Accel/Brake Test

- **Resolution:** 0.01 s
- **Accuracy:** 0.1 s **

Lap Timing

- **Resolution:** 0.01 s
- **Accuracy:** 0.01 s **

*95% CEP (Circle of Error Probable) means 95% of the time the position readings will fall within a circle of the stated radius

**Not using DGPS and crossing the start/finish line at 100km/h.

Memory

- **Storage option:** SD and SDHC card, must be FAT/FAT32 file system
- **Recording time:** Depending on card capacity. Uses approx. 1.1MB/hr

Environmental and Physical

- **Input Voltage:** 6 – 28 V DC
- **Size:** 113mm x 63mm x 93mm
- **Power:** Typically 100 mA
- **Weight:** 266g
- **Operating temperature:** -20°C to +50°C
- **Storage temperature:** -30°C to +80°C

Windows Software

- **Performance Tools:** Performance, Acceleration, Brake Testing
- **Circuit Tools:** Data analysis software

Support

- **Hardware:** One Year Support Contract

VBOX MOTORSPORT

- **Software:** Lifetime Support Contract: Valid for a minimum of 5 years from the date of purchase and limited to the original purchaser. Contract includes: telephone/ email technical support provided by local Distributor and firmware/ software upgrades (where applicable).