

# DriveRight® 600E Vehicle & Driver Safety Monitor



**8126GD**  
**8126HD**  
**8126ODB**  
**8126VSS**

DriveRight 600E monitors and logs vehicle trip information including detailed driver performance data. The interactive LCD display allows you to set speed, acceleration and deceleration limits, and to view trip data. An internal audible alarm alerts drivers whenever one of the pre-set limits has been exceeded. In the event of an accident or sudden stop, DriveRight 600E also records the vehicle speed for each of the 20 seconds before and after a sudden deceleration. Two digital inputs allow DriveRight 600E to monitor vehicle functions such as brake lights, headlights, seat belt use and power take off (PTO) use. The optional DriveRight GPS Module (# 8128) provides detailed information about a vehicle's route by recording the latitude and longitude at selectable time intervals. All data recorded by DriveRight 600E can be downloaded to a computer for use with the DriveRight Fleet Management Software (FMS, # 8186). FMS provides powerful reporting and data storage capabilities and is compatible with five popular database platforms.

## General

Sensor Type . . . . .	OBDII input, VSS input or rugged reed switch sensor with magnet for mounting on vehicle driveshaft (rear wheel drive) or CV joint (front wheel drive).
Device Operating Temperature . . . . .	-40° F to +185° F (-40° C to +85° C)
Display Operating Temperature . . . . .	-4° F to +185° F (-20° C to +85° C) (LCD display may not operate at temperature extremes, but the device still records trip information)
Storage Temperature . . . . .	-40° F to +185° F (-40° C to +85° C)
Reed Switch Operating Temperature . . . . .	-40° F to +185° F (-40° C to +85° C)
LCD Display Size . . . . .	3.20" x 1.30" (81 mm x 33 mm)
DriveRight Device Dimensions (l x w x h) . . . . .	5.25" x 2.25" x 0.86" (132 mm x 57 mm x 22 mm)
DriveRight Device Weight . . . . .	4.67 oz. (.14 kg)
Primary Power . . . . .	11 to 18 Vdc (12 Vdc nominal) 6-25mA
Secondary Power . . . . .	3-volt CR123A lithium battery (included) allows DriveRight to be removed from vehicle.
Battery operating time . . . . .	260 hours when disconnected from vehicle. Battery life is up to four months in sleep mode.
Memory . . . . .	64KB
Trip Logging Capacity . . . . .	600 trip maximum
Time & Date . . . . .	Accuracy: ±2 seconds/day
Computer Interface . . . . .	Serial, 1/8-inch stereo phone adapter
Digital Inputs . . . . .	2 digital inputs. Input 1: green wire; Input 2: yellow wire
Input Impedance: . . . . .	>1 Megohm
High input range: . . . . .	3 Vdc minimum, system voltage maximum
Low input range: . . . . .	-0.5 Vdc minimum to 1.0 Vdc maximum
Input 1 Sampling: . . . . .	Start and stop of trip, GPS record, Accident Log
Input 2 Sampling: . . . . .	Start and stop of trip, GPS record
Fuses (3): . . . . .	3AG, 0.25A, Slo-Blo (1 1/4" x 1/4", 6.4 x 31.8mm)
Fuses (Power & Digital Input) . . . . .	3AG (1 1/4" x 1/4", 6.4mm x 31.8mm), 0.25A, Slo-Blo
Display Type . . . . .	Transflective LCD with backlight
Lamp: . . . . .	Illuminated display
Display Mounting Options . . . . .	Visor clip for mounting on visor or door pockets. Double-sided tape for mounting on dashboard and other surfaces. Velcro with pressure-sensitive adhesive for mounting on dashboard and other surfaces. Mounting bracket with right angle adapter for special mounting needs.
Security . . . . .	4-digit password protects settings and data. Tamper indicator message appears if DriveRight is disconnected. Tamper indicator appears if incorrect security password is entered 5 times. Tamper log stores time and date of last 10 tamper alerts. Time and date of each connect and disconnect is recorded.

## Data Display

---

### Speed

Display: ..... Current speed in MPH or km/h. Records maximum speed for each trip. Records total time in which speed exceeded set limit for each trip.

Accuracy: .....  $\pm 1\%$

### Acceleration and Deceleration

Displays: ..... In G's (an acceleration of 22 MPH/sec. or 35 km/h/sec.). Records number of times acceleration exceeded specified limit for each trip. Records number of times deceleration exceeded specified limit for each trip.

Accuracy: .....  $\pm 5\%$

### Alarms

Audible alarm: ..... For exceeding speed, acceleration, and deceleration limits. Can be turned on and off via FMS.

Visible alarm message: ..... For exceeding speed, acceleration, and deceleration limits

Code entry reminder alarm: ..... Requires FMS to set

### Distance

Displays: ..... Total distance traveled during current trip in miles or kilometers.

Records: ..... Overall distance.

Specifies miles as: ..... Business, personal, commute, or other.

Accuracy: .....  $\pm 1\%$

### Time & Date

Displays: ..... Current date in Month:Day or Day:Month format. Displays current time in 12- or 24-hour format. Records start and end time for each trip. Records total time for each trip.

Accuracy: .....  $\pm 2$  seconds/day

### Accident Logs

Records ..... Vehicle speed in last 20 seconds before and after deceleration limit exceeded. Stores 10 separate accident logs. Stores last 20 seconds of each of the last 20 trips.

## Package Dimensions

---

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
8126GD	10.25" x 5.75" x 2.88" (260 mm x 146 mm x 73 mm)	2 lbs. 6.2 oz. (1.08 kg)	011698 00866 7
8126HD	10.25" x 5.75" x 3.00" (260 mm x 146 mm x 76 mm)	3 lbs. 2.1 oz. (1.42 kg)	011698 00867 4
8126OBD	10.25" x 5.75" x 2.88" (260 mm x 146 mm x 73 mm)	1 lbs. 9 oz. (0.71 kg)	011698 00868 1
8126VSS	10.25" x 5.75" x 2.88" (260 mm x 146 mm x 73 mm)	1 lbs.11 oz. (0.8 kg)	011698 00869 8
8126GD (10-pack)	15.00" x 11.88" x 10.88" (381 mm x 301 mm x 276 mm)	25 lbs. 0.8 oz. (11.37 kg)	3011698 00866 8
8126OBD (10-pack)	5.00" x 11.88" x 10.88" (381 mm x 301 mm x 276 mm)	16 lbs. 9.6 oz. (7.53 kg)	30011698 00868 2
8126VSS (10-pack)	15.00" x 11.88" x 10.88" (381 mm x 301 mm x 276 mm)	18 lbs. 0.0 oz. (8.17 kg)	3011698 00869 9