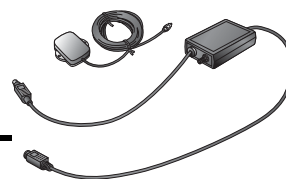


DriveRight® GPS Module

Location and Direction Logging for the DriveRight 600

8157



The optional DriveRight GPS module records a vehicle's location, GPS speed, and direction of travel at intervals between 5 seconds and 10 minutes. The DriveRight 600 LCD displays the current latitude and longitude, the direction of travel, and the vehicle's GPS speed. The GPS data can be downloaded to DriveRight software and exported to mapping software such as Microsoft MapPoint® to show the exact route of each trip. Each GPS record includes speed, direction, and the status of the DriveRight 600's two digital inputs. The digital inputs can be used to provide a comprehensive profile of operation of vehicle accessories such as brakes or headlights during the course of a trip.

The GPS module is optional for the DriveRight 600 and cannot be used with previous versions of DriveRight. You must have DriveRight Fleet Management Software (FMS) version 3.0 or later or DriveRight Vehicle Management Software (VMS) version 2.6.1 or later to configure the GPS module for operation.

General GPS Specifications	
Mechanical	Size: 3.8" x 2.4" x 0.9" (97 x 61 x 23 mm) Weight: 11 oz (0.3 kg)
Environmental	Operating Range: -4°F to +140°F (-20°C to +60°C) Storage Range: -40°F to +185°F (-40°C to +85°C)
Power	Input: +12Vdc to +16 Vdc regulated, 80 mA max Memory Backup: lithium cell, estimated 5 year service life
Interface	GPS Module-to-adapter cable: male 8-pin Mini-DIN GPS Module-to-DriveRight 600: female 8-pin Mini-DIN GPS Antenna: female SMA
Cable Length	GPS Module-to-adapter cable: 12" (300 mm) GPS Module-to-DriveRight 600: 22" (570 mm)
GPS Receiver Specifications	
Basic	Channels: 12 parallel Frequency: 1575.42 MHz (L1)
Accuracy	Position: 25 m SEP without selective ability (SA), 100 m 2 DRMS with SA (95%) Velocity: 0.04 mph (0.02 m/s) without SA
Dynamic Limits	Acceleration: 4 G max Jerk: 5 m/s ³
Startup Time To First Location Fix	DriveRight continuously connected to vehicle = 30 seconds DriveRight unplugged from 0 to 4 hours = 60 seconds DriveRight unplugged from 4 to 8 hours = 90 seconds DriveRight unplugged from 8 to 24 hours = 120 seconds DriveRight unplugged for 24 hours or more = 180 seconds
Reacquisition Time	After 60 second signal obstruction: 5 seconds Internal: <1.0 second
GPS Antenna Specifications	
Mechanical	Size: 2.3" x 1.9" x 0.55" (58 x 48 x 14 mm) Weight: 2.3 oz (0.065 kg)
Environmental	Operating Range: -22°F to +185°F (-30°C to +85°C) Storage Range: -40°F to +194°F (-40°C to +90°C)
Power	Input: +3 Vdc regulated, 12 mA ± 2 mA
Cable	Type: Coaxial RG-174 Length: 16 feet (5 m) Connector: male SMA
Performance	Frequency: 1575.42 MHz (L1); Gain: 25 dB (min); Output Impedance: 50 Ohms