

INTELLIGENCE THAT FITS IN THE PALM OF YOUR HAND



GO5 Hardware Device

GO5 is a small yet extremely powerful telematics measurement tool. GO5 offers state of the art GPS technology, g-force monitoring, engine and battery health assessments, all in a device that fits in the palm of your hand. Using Geotab's patented tracking algorithm accurately recreates the vehicles trips and analyzes incidents. Like all of the Geotab products, the GO5 offers the in-vehicle alerts to notify drivers instantly of infractions. The GO5 is truly plug and play technology, it requires no dash mounted antennas and no splicing of wires.

Top GO5 Features

- Small form factor
- Simple plug and play setup
- Entirely self-contained
- Precise tracking and accident re-creation
- Live vehicle data
- Checkmate™ 5.5 and My.Geotab™ 5.5 Compatible



GO5 - Intelligence In The Palm of Your Hand

Compliance	RoHS compliant, lead free
Size	5 cm W x 2.5 cm H x 7.5 cm L
Weight	65 g
Housing	Black ABS, IP 42 resistant with rubber gasket and boot
Environmental Tests	Temperature tested between -40F to +185F / -40C to + 85C
32 Mb Non volatile Flash Memory Store	Main Data Memory: Records 4,650 miles (7,500 km) of city driving or 39,936 logs. Accident Data Memory: Buffer records 102 minutes of second-by-second valid data, or 6,122 logs. Last 72 records (1.2 minutes) are sent instantly on accelerometer triggered event.
Engine Management	Support for diagnostics on CAN (ISO 15765), Diagnostics on CAN for Diesel Engines (SAE J1939), Legacy OBD (SAE J1850 PWM.VPW, ISO 9141-2, ISO 14230 KWP2000). Adapter packs available for GM and heavy duty vehicles.
Operating Voltage	11V to 16V
Protection	"Green" efficient PWM regulated circuitry with overvoltage protection.
Recording Parameters	Curve Based Logging Algorithm gives fewer and more accurate data points.
Power Consumption	Sleep Mode Current: 7mA; Operating Current: 40-150mA (engine running)
Firmware	Wireless, over-the-air update Firmware can be customized for application-specific recording
Buzzer	Test Mode: Alert for system diagnostic testing of GPS and wireless connection. Parameter: User can set parameters to alert driver of excess speed, above a specified speed, excessive idling or over-revving. Engine based seatbelt violation (when available). Accelerometer triggered alerts: harsh braking, harsh acceleration and harsh corners.
Clock	Internal clock is set by initial GPS latch and counts seconds for time based activity during sleep mode including Heartbeat and Voltage Recording
Voltage Recording	Curve based voltage logging to detect weak batteries, failing alternators, failing starters.
Heartbeat	Device wakes out of sleep mode 1 hour after ignition off, then 2 hours after that, 4 hours after that and finally every 6 hours to send any buffered memory information, such as position, sensor and voltage data.
Antennas	Internal GPS and GSM antennas
Accelerometer	A LIS302DL from ST 3 axis accelerometer is provided for the low-voltage digital output linear MEMS housed in an LGA package. The LIS302DL has a user-selectable full scale of $\pm 2g$ and $\pm 8g$ and is capable of measuring accelerations with an output data rate of 100 Hz or 400 Hz.
Installation	Simple plug and play installation
Intelligent Ignition Detect	Non-engine based ignition detect based on voltage and movement. 2 wire installation. Perfect for older vehicles with no engine information and covert installation for asset recovery.



GO5 - Intelligence In The Palm of Your Hand

GPS Receiver	<p>NEO-5Q</p> <ul style="list-style-type: none"> • 50-channel u-blox 5 engine with over 1 million effective correlators • Under 1 second Time-To-First Fix for Hot and Aided Starts • SuperSense® Indoor GPS: -160 dBm tracking sensitivity • Accelerated startup at weak signals thanks to KickStart Technology
GSM Module	<p>LEON-G100</p> <ul style="list-style-type: none"> • Frequency: Quad-band GSM 850/900/1800/1900 MHz • Embedded TCP/IP stack • Power Consumption: 3.35 V to 4.2 V - 1.6mA idle, 300mA typical • Certification: R&TTE, CE, GCF, FCC, PTCRB, Anatel, IC