

GPS Micro Tracker

G-19B

SANAV G-19B GPS Micro Tracker is a handheld, compact-sized, battery-operated and GPS-enabled location device designed for personal use.

G-19B integrates a high performance micro-sized GPS receiver with a GSM cellular transmitter together to come up with the emergency solution with innovative location finding technology. The combination of GPS and GSM wireless network enables the following applications of **G-19B**:

Regular Report: **G-19B** will regularly send SMS message to the built-in 5 sets of phone numbers as regular report by the interval of 2 to 120 minutes with user's ID and coordinate data of NMEA 0183 GPRMC, such as UTC, Latitude, Longitude, SOG, COG, etc.

Polling: For **G-19B** is equipped 1 piece of SIM card, Watchers can remotely monitor the Rover who holds **G-19B** by direct phone dialing. **G-19B** will send the SMS message with ID and coordinate data back to the caller.

Parking: After you park your car, leaving for shopping or dealing with business. You can press "Park" button to start the Parking function of G-19. Once the Park function is launched, while your car is towed away or stole by thieves over 100m away from your original parking space, G-19 will report "towed" messages to user for burglarproof purpose.

Emergency Alert: While in emergency circumstances, you can issue an Emergency Alert for assistance by pressing **G-19B's Panic Button**. Your location will be sent immediately to the built-in phone numbers within a minute. The built-in 95-decibel alarm will start buzzing loudly to attract help.

The miniature size and extended battery life along with the Emergency Alert, now you can have overall peace of mind 24 hours a day while your seniors, children or all your family members are away from home.

[SANJOSE NAVIGATION, INC.](http://www.sanav.com)

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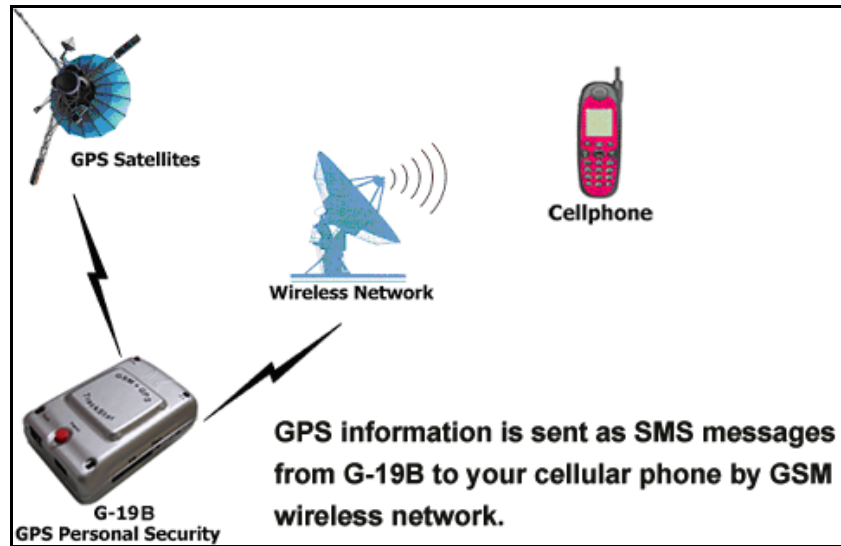
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ISO 9001:2000
12 100 18526 TMS

G-19B System Diagram



Applications

- Powerful locating tool to find your kid or elder family member who is lost**
- Find out quickly if your loved one is in emergency situation or has wandered away**
- Safeguard children, seniors, or pets**
- Secure your car via GPS Tracking**
- Particularly ideal for Fleet Management**
- Cost-effective AVL solution**

G-19B GPS Micro Tracker

General Specifications

Dual Band GSM Module (EGSM 900/1800 MHz), Tri-band 1900 MHz Optional, GPRS Class 8

Compliant with ETSI GSM Phase 2+ standard Class 4 (2W @ 900 MHz)
Class 1 (1W @ 1800/1900 MHz)

Equipped with 16 parallel channels GPS receiver in 0.35u CMOS technology

Emergency "panic" button

Acquisition Time

Reacquisition	<2 sec
Cold	<60 sec TTFF (Time to First Fix)
Warm	<35 sec TTFF
Hot	<8 sec TTFF

Accuracy

Position Accuracy	15 meters RMS without SA
Velocity Accuracy:	0.1 m/s without SA
Speed Accuracy:	0.1 km/h without SA

Antenna Type

Internal GSM antenna / Internal GPS patch antenna

Power Supply

12V DC Cigarette Lighter/3.6V DC Li-Ion Battery

Operation Time

6hr minimum after fully charged in continuous mode. 24hr in trickle mode.

Device Size and Weight

43 (W) x 66 (L) x 22 (H) mm, 87g

Environmental

Operating Temperature: -30°C to + 70°C

Storage Temperature: -40°C to + 85°C

Relative Humidity: 5% to 95%, non-condensing

Specifications Subject to Change Without Notice

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