



# JM-VG03

## Mini Vehicle GNSS Tracker

Supporting 9-90V voltage range, JM-VG03 series works suitably with a wide range of vehicles. Thanks to its inbuilt large antenna and compact size, it delivers faster and more accurate positions and can be hidden-installed. In addition to its general features, alerts of power supply disconnection and tamper are pluses for anti-theft.



### Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



### IP65 Dust & Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.



### Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via an installed relay.



### Ignition Detection

Constant, real-time ACC/ignition status from the vehicle.



### Geo-Fence

A virtual area set on platform by yourself, you'll be informed when vehicle crossing its boundary.



### Multiple Alerts

Instant alerts for atypical events such as low battery, speeding, removal, drifting, etc.

Motorcycle



Electric Bike



Light Vehicle



## GNSS

|                         |  |
|-------------------------|--|
| Positioning system      | GPS+BDS+LBS                                      |
| Frequency               | L1   |
| Positioning accuracy    | <2.5m CEP  |
| Track sensitivity       | -162dBm  |
| Acquisition sensitivity | -148dBm  |
| TTF (open sky)          | Avg. hot start ≤ 1sec<br>Avg. cold start ≤ 35sec |

## Cellular

|                       |                                 |
|-----------------------|---------------------------------|
| Communication network | GSM                             |
| Frequency             | Quad-band 850/900/1800/1900 MHz |

## Power

|               |  |
|---------------|--|
| Battery       | 60mAh/3.7V industrial-grade Li-Polymer battery |
| Input voltage | 9-90VDC  |

## Interface

|                |                         |
|----------------|-------------------------|
| LED indication | GPS (Blue), GSM (Green) |
| SIM            | Micro-SIM               |
| Data storage   | 32+32Mb                 |

## Physical specification

|            |                     |
|------------|---------------------|
| Dimensions | 79.0 x 38.0 x 5.1mm |
| Weight     | 29g                 |

## Operating environment

|                       |               |
|-----------------------|---------------|
| Operating temperature | -20°C to 70°C |
| IP rating             | IP65          |

## Feature

|                           |  |
|---------------------------|--|
| Sensors                   | Accelerometer  |
| Ignition detection        | ACC Detection  |
| Scenarios                 | Vehicle movement alert, Over-speed alert, Geo-fence, Vehicle battery detection, Power supply disconnection |
| Driving behavior analysis | Harsh acceleration, Harsh braking, Harsh cornering, Collision  |
| Interface                 | 4 pin (V+, V-, ACC, Relay)   |