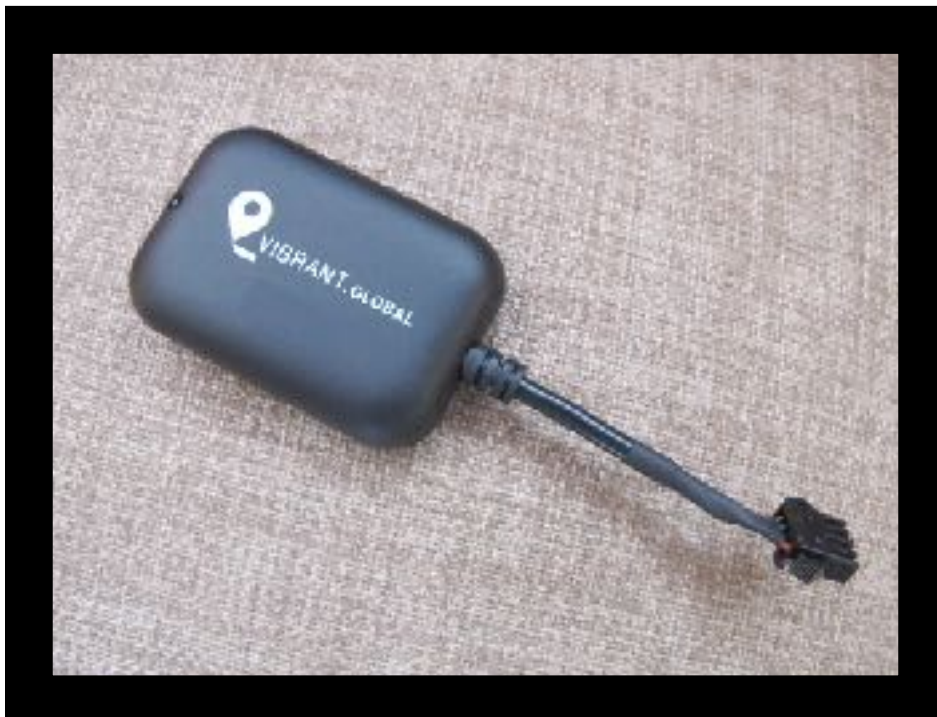




VG01 – Standard Tracking Unit



Tracking and control of your vehicle or motorcycle has never been simpler or more affordable.

VG01 is a miniature tracking device with all the features you need.

Track the vehicle live on online maps on your SmartPhone or PC using a www.vibrant.global subscription, or smartphone app or SMS.

Low cost & ultra-small size means it can be used in any motorised mobile asset - even motorcycles

It's a live Tracking Device so you can see where your vehicle is and how fast it is going.

Monitor driving (live text alerts for over-speed, zone entry/exit)

Easy to set up: Fit a SIM install the device and you are ready to go.

Low power with power saving modes to preserve your battery during holidays or other down time. Automatically wakes up on movement or input detection

Battery backup included as standard

24-month return to manufacturer warranty

Simple three wire installation



Panic button option

Control engine by text command or from the website interface (subject to local legislation)

Specifications

Physical

- Size: 40*58*14.5mm
- Working voltage: 6 to 30V DC
- Input fuse: 2A
- Working temperature: -40 to 85°C
- Humidity: 10% to 90% RH
- CPU: MT6250 (260MHz)

GSM module:

- Band: 850/900/1,800/1,900MHz
- Tally with: GSM phase 2/2+
- Class 4 (2W, 850/900MHz)
- Class 1 (1W, 1,800/1,900MHz)
- GPRS multi-slot class 12
- GPRS mobile station class B
- Max RF output: 33.0, ± 2 dBm
- Dynamic input range: -15 to -102dBm

Receiving Delicacy

- Class RBER $\leq 2\%$ (-105dBm)
- Frequency stability: > 2.5 ppm
- Maximum frequency deviation: ± 0.1 ppm
- RMS deviation: ≤ 5 degrees

GPS module:

- GPS chip set: U-BLOX 7
- Frequency: L1, 1575.42 MHz, GPS L1 C/A.
- Number of Channel: 56, SBAS L1C/A, ZSSL1C/A.
- GPS sensitivity: -164dBm
- Positioning accuracy: 5m
- Reacquisition: 0.1 sec, average
- Hot boot: 2 sec., average
- Warm boot: 38 sec., average
- Cold boot: 44 sec., average
- Altitude limit: 18000 m
- Velocity limit: 515 m/s

Inputs & Outputs

- I/O port: 4 I/O cables
- Positive 6V to 30V, red wire
- Negative, black wire
- Remote cut off engine power, yellow wire
- ACC, engine start detecting, green wire

Current:

- Power-saving mode: 4mA
- working current: 60 to 150mA
- Charging current: < 500 mA maximum