



GPS Trip Meter - Active

Accurate distance measurement made easy

Easy to operate with a full colour touchscreen, this unit can display 2 trips simultaneously.

Ideally suited for councils and rally drivers.

Powerful Performance

The Active GPS Trip requires no costly installation; simply plug into your power socket and start measuring.

The GPS trip meter updates three-dimensional distance measurements ten times a second.

The full colour touchscreen allows for easy operation of the trip functions. Simply press the up down arrow next to each trip to change direction or press the run button to pause a trip. A full numerical keypad allows for quick update of start distances.

The trip meter is fully customisable via the integrated menu allowing for function such as pause to be tailored to the users particular application.

An external reset switch is provided and can be configured to reset a trip or pause with a press and hold then activating a reset.

Current and average speed are displayed and an over-speed alert can be configured to activate the internal buzzer. The internal buzzer can also be configured to beep when the trips are in count down mode such as when the vehicle is reversing.

The unit is multi voltage and can work in 12V and 24V vehicles.



Installation instructions

Mount the trip-meter to the windscreen with the suction mount provided. If permanent mounting is required, please enquire about the optional RAM mounting system that allows for permanent mounting on a surface or handle-bars.

Screw the GPS antenna provided into the connector at the rear of the trip-meter. Place the antenna in a place where it has visibility of the sky. In most vehicles, placing the antenna on the dashboard under the windscreen is a suitable position. In vehicles where the windscreen is vertical, the antenna can be placed on the roof using the magnetic mount, Note that the antennas view of the sky should not be obscured by metal. Placing the antenna under a metal roof will not work.

Power the unit using the cigarette lighter (or USB) connector provided. Wait for the satellite indicator to go green and you are ready to measure distance.

Included Accessories



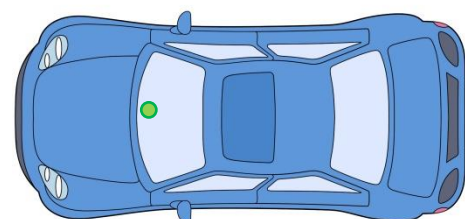
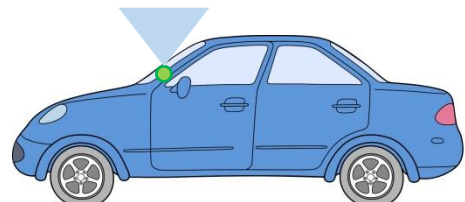
Power and reset switch



Windscreen mount



Magnetic mount antenna



Typical antenna placement on the dashboard



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Technical Specifications and Ordering Information

Part Number (Includes wiring loom, windscreen mount and magnetic mount antenna)	HMGT3000
Input Voltage	5-36V
Power consumption	1.4W; 120mA at 12V
Dimensions Colour screen size Power and reset switch cable length Antenna cable length	130mm (width) x 94mm (height) x 21mm (depth) 4.3" diagonal with touchscreen 1m 5m
GPS Receiver	GPS, GLONASS, Gallileo and BeiDou, 72 chan
Position accuracy	2.5m CEP
Distance resolution	1m
Distance update rate	10Hz
Minimum speed	2km/h
Satellite acquisition time	30 seconds
Operating temperature	-40 to 85 degrees

Optional Accessories



RF Remote control



RAM mounting system



Bulkhead mount GPS antenna



Stubby GPS antenna



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Keypad operation

Press to change between run and pause mode

Press a trip to enter an initial value

Press to change between up and down count



Press the menu button to enter the menu

Press the up and down buttons to set all trips to count up or down

The enter button has the same function as the external reset switch



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Navigating the Menus



Press the *Menu* key (far left) to open the menu.

Using the Keypad

The *Menu* key cancels or goes back one level.

The *Up* key navigates up, or increases a value.

The *Down* key navigates down, or decreases a value.

The *Enter* key (far right) selects an option or confirms a setting.




Using the Touchpad

Swiping from top-to-bottom scrolls the menu up, while swiping bottom-to-top scrolls the menu down.

Touching a menu option selects that option.

Entering Values

When entering values, such as distances or the password, the keypad or touchscreen may be used. To enter a value using the keypad, you press *Up* or *Down* to change the current character/digit, *Enter* to progress to the next character/digit or *Menu* to go back one space. Pressing the screen enables an on-screen keypad/keyboard, which has the following three function keys:

-  Cancel
-  Backspace
-  Enter



Trip Configuration

The Trip Configuration menu allows the user to configure either of the trips.

Reset to 000.000

This option will reset the value of the selected trip to 0, or to the value set with the *Set Reset Value* option, below.

Load Value into Trip

This option allows the user to enter a value for the selected trip.

Set Reset Value

This option allows the user to change the reset value. When the selected trip is reset, either through this menu or through another function, it will be set to this value.

Trip Enabled

This option sets whether or not a trip is enabled and counting.

Trip Paused

This option sets whether or not a trip is paused. Exactly what happens when a trip is paused is configured in the *Pause Settings* menu.

Trip Runs

This option allows the user to choose whether the selected trip runs forwards or backwards.



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External Switch

This menu allows configuration of the external switch.

External Switch Enabled

Selecting “No” in this option prevents the external switch from triggering anything, regardless of what *Trip Functions* are selected below.

Trip Function

Trip A Function and *Trip B Function* allows the user to set what happens to each trip when the external switch is pressed – Nothing (*Disabled*), *Reset* (Sets the trip value to the *Reset Value*, see above) or *Pause* (See *Pause Settings*, below).



Pause Settings

Auto Unpause after 3s

Setting this options causes a paused trip to automatically unpause after 3 seconds.

Reset on Hold

Setting this options resets a trip to its *Reset Value* (see above) if the external switch is held for 3 seconds.

Paused Trips Count in Background

Setting this option allows paused trip to continue to count in the background, while freezing the value shown on the display.



System Settings

Measurement Unit

This option allows the user to select how distances are shown on the Trip Meter: kilometres, miles or nautical miles.

Over-speed Warning

This options the *Over-speed Warning* submenu.

Average Speed Based on Trip

This selects which trip is used to calculate the *Average Speed*, shown on the main display.

Brightness

This option allows the user to set the brightness of the display.

Auto Dim

Setting this option allows the device to automatically detect when to dim the display for night driving.

Night Display

This option enables a high-contrast colour scheme. It can be set to *Auto*, in which case it will automatically change to the high-contrast scheme at night time.

Calibrate

This options allows the Trip Metre to be calibrated to match (inaccurate) track notes.

Backward-counting Trip Warning

Setting the option causes the internal buzzer to sound when any of the trips are set to count backwards.

Password

Opens the *Password* submenu.



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Overspeed Warning Submenu

Overspeed Warning

Enabling the overspeed warning causes the internal buzzer to sound when the Trip Meter detects speed in excess of the limit set below.

Speed Limit

Allows the unit to set the over-speed threshold.

Password Submenu

Password

Enabling the password prompts the user to enter a new password.

Change Password

Allows the user to enter a different password, once it has been enabled.



GPS Information

Displays positional and speed data from the GPS receiver.



Show Statistics

Using the *Up* and *Down* keys to switch between the trips; displays the distance, time and average and maximum speeds.