

HOW IT WORKS

Active TracBat® PRO is an advanced mileage counter that relies on earth's gravity for counting wheel revolutions. The TracBat® PRO unit monitors its orientation to earth's gravitational pull and uses this reference to recognize and count revolutions.

INSTALLING THE UNIT

In order to prevent inadvertent counting during shipment, a new Active TracBat® PRO unit will be delivered in "Ship Mode". **To wake the device**, shake it vigorously for 4 seconds. The display will turn on and a timer will begin counting down. Install the Active TracBat® PRO unit before the timer reaches zero (approximately 2 minutes). This will prevent counts induced by handling vibrations. **A unit should never be installed on a wheel without first waking it up.**

READING THE DISPLAY

The display will turn on when the vehicle is at rest. Numbers will automatically orient to read upright. This is also indicated by the icon display, e.g. mile, km, acre. The mileage reading is always in the same direction as the icon.

In order to conserve power the display turns off any time a vibration is detected. This means that the display will be off while the vehicle is moving. As soon as all vibration or motion stops the display will reactivate in about 5 seconds.

DISPLAY MODES

The Active TracBat® PRO unit comes equipped with three display modes: LIFE, TRIP (if programmed), and REV. To toggle the display between LIFE, TRIP and REV Modes, use the palm of your hand to cover the round bubble on the face of the unit for at least 1 second, and then uncover it. If the unit is in bright sunlight, the bubble may have to be covered with your palm to block more light from reaching the sensor. TRIP mode is displayed with tenths resolution and is indicated by display of TRIP icon (only if unit is programmed for TRIP).

To reset the TRIP display, toggle between LIFE, TRIP and REV. Modes 5 times, quickly. Note that the unit cannot toggle faster than every 1.5 seconds. To view the revolutions of the unit simply repeat the process that is used to view trip and then a screen that shows (REV XXX) will show up. The XXX is the number of revolutions per KM or Mile that the unit is programmed for. On units without TRIP there are only two screens all others have three screens (LIFE, TRIP, and REV). As with the TRIP mode the unit will return to the mileage after 10 seconds if left in the revolutions screen.

RF INTERROGATION


This unit can be read remotely by a Active RF Readers. The Active TracBat® PRO broadcasts its information automatically roughly every 2.5 Seconds. On gate based systems the unit is activated by a road loop.

LOW BATTERY INDICATOR (LOBAT)

When the battery reaches a minimum limit, a "LOBAT" icon will appear below the mileage reading. The unit should be replaced at this point. If the battery is allowed to completely discharge, mileage will not be lost.

CERTIFICATIONS

This unit complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

 FCC ID# SRA-604 9999

This equipment equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

PRODUCT LIMITATIONS

It is important to note that this unit is designed to recognize vibrations and accelerations common to

wheel rotation, therefore, it will not count accurately when held in a person's hand, which allows movement in any direction. Furthermore, this unit should not be used as a rotating shaft counter for machinery, unless the machine shaft rotates slower than 1250 RPM and has a slow acceleration profile similar to a wheel end. At all times the unit should rotate about an axis perpendicular to gravitational forces.

This unit contains a Lithium-Thionyl Chloride battery and should be disposed of according to local regulations. The battery contains less than 1 gram of lithium and is therefore classified as a nonhazardous product. Lithium-Thionyl Chloride batteries contain no poisonous materials and do not present environmental hazards when properly disposed of.

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