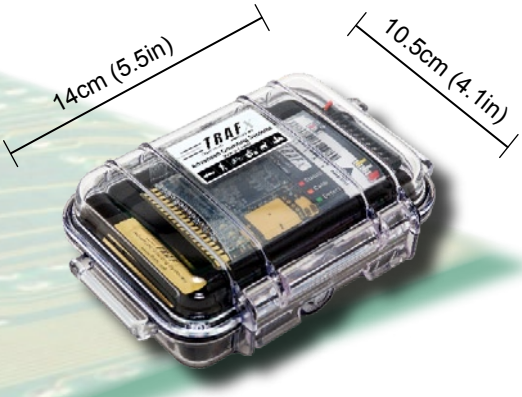
# MOUNTAIN BIKE COUNTER

Generation 4

## Key Info

- *Optimized to detect and count bicycles on trails*
- *Advanced microelectronic design*
- *Self-contained design; no external wires or tubes*
- *Designed to be buried*
- *Small and easy to hide — reduces vandalism risk*
- *Long battery life (up to 9 months)*
- *Large storage capacity (millions of counts)*
- *Built for outside: -40C (-40F) to +55C (131F)*
- *Low installation, operating, and maintenance costs*
- *Field-proven, Generation 4 design (>10 year history)*



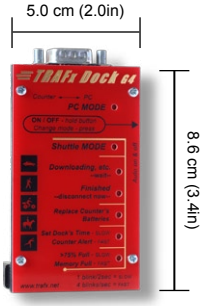

### Designed to be Buried

This counter is designed to be buried beside or in the middle of a trail, depending upon the trail's width. When a bike passes, an aerospace-quality magnetometer coupled with advanced embedded processing software, detects and records a count. It is mainly intended for mountain bike trails, but can also be installed on regular bicycle paths under 2m (6.6ft) wide.

### Quick Installation

The low-power design ensures battery efficient operation, and because it is small, this counter is quick to install. It uses three standard "C size" alkaline batteries.

### TRAFx Dock

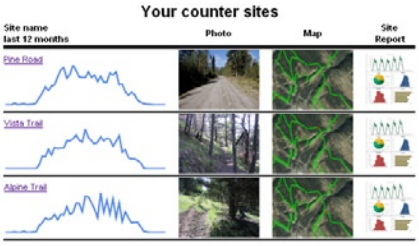



To download counters in the field (without PC)

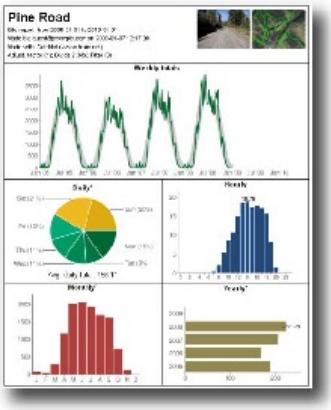
To configure counters (with PC)

### TRAFx DataNet

To view and manage your data




To produce professional reports in seconds.




Try the free Demo at www.trafx.net






# Installation Options



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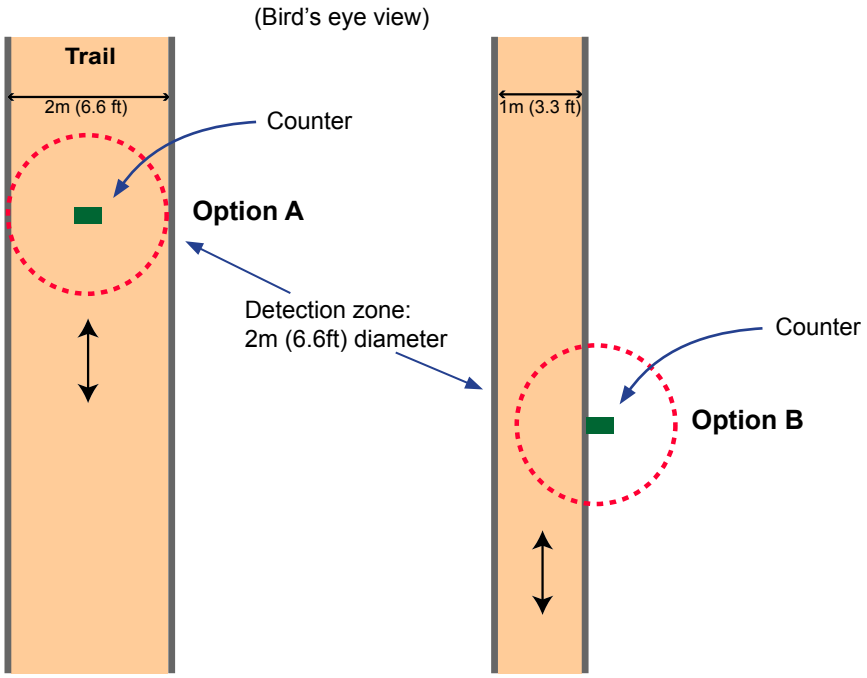


## OPTION A

• install mid-trail

## OPTION B

• install trailside

## FEATURES

• Hourly or daily totals, or timestamps
  -14 000 hourly or daily totals = > 400 million counts
  -14 000 timestamps
• Flexible installation options (see above)
• Proprietary design for detecting bicycles
• User programmable modes/settings
  -Programmable settings include:
    *Real-time clock  *Start date/time
    *Detection range  *Digital sampling parameters
    *Delay after event  *Site/counter name
• Three colour-coded LEDs indicate status of operation
  -green light flashes upon detection
• Digital readout of battery voltage level (e.g., 4.2V)
• Automatic low battery warning
• User replaceable parts
• Engineered and built in the Canadian Rockies

## SPECIFICATIONS

CASE: 14cm x 10.5cm x 5cm (5.5in x 4.1in x 2in); weatherproof
WEIGHT: 250g (8.8oz) (without batteries)
POWER: Three "C size" alkaline batteries (e.g., Energizer)
BATTERY LIFE: 8 to 9 months max. with three C alkalines
20 months max. with one D lithium (custom.)
DETECTION RANGE: 2m (6.6ft); see diagrams above
DATA TYPE: ASCII; .txt file type
DIGITAL MEMORY DESIGN: Data and settings are retained even when batteries are replaced or die
TIME KEEPING: Quartz clock; 10ppm accuracy @ 20C
OPERATING TEMPERATURE: -40C (-40F) to +55C (131F)
SENSOR TYPE: Low-field geomagnetic
COMMUNICATIONS: RS232 serial; 115,000 baud
OTHER: Gold-plated circuitboard; two coats silicon (anti-moisture); ESD protection and short circuit protection; RoHS (lead-free)
LIMITED WARRANTY: 1 year; covers manufacturing defects.
EMI COMPLIANCE: FCC, IC, CE

## TRAFX VERSATILITY

*"3-in-1 design!"*

The TRAFx Mountain Bike Counter comes pre-programmed and ready to use as the TRAFx OHV Counter or the TRAFx Vehicle Counter, at no extra charge. Simply change the mode when configuring the counter.

Also, it can be quickly and easily converted to the TRAFx Infrared Trail Counter by ordering a special conversion kit.

Visit www.trafx.net for details

## ACCESSORIES/OPTIONS

• LCD tally display
• IR conversion kit
• Extended 5-year warranty

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