

RadioBeam Bicycle-People Counter

Overview

Our Bicycle-People counting system (RBBP) counts cyclists and pedestrians separately, providing count information for each type of user.

The unit uses our own RadioBeam technology and provides reliable all weather use.

Installation

The RBBP is normally supplied with either our protective housing, recycled plastic posts, or metal posts.

The posts or housing are installed on either side of the path. The metal post option allows the unit to be set further back from the path (up to 5 metres separation distance) as the bike antenna can be buried closer to the path. The housing and recycled plastic posts are suitable for paths with a maximum width of 3.5 metres. There is no cabling requirement.

Installation is straightforward and the unit has a beam alignment check facility. Full instructions are included.

Data Collection Options

The system is supplied with one of the following:

2 6-digit displays which are reset with a magnet

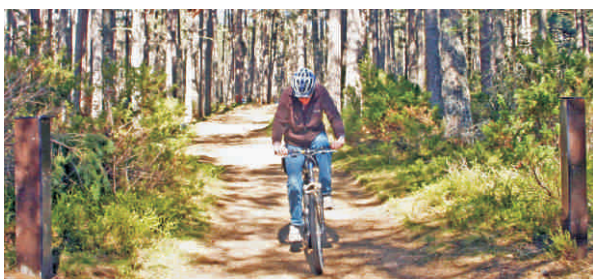
2 dataloggers for the download of time-date counts onto a PC.

Additional RadioBeam bike counters

*Triple counter: Bicycle-People-Horse (RBBPH): separately counts 3 categories of user.

*Quad counter: Bicycle-People-Horse-Car (RBBPHC): separately counts 4 categories of user.

*Bicycle counter (RBB): counts only cyclists.



Features

- ♦ Separately counts cyclists and pedestrians.
- ♦ Dual frequency using our well proven and unique RadioBeam technology to provide reliable and accurate counting in all weather conditions.
- ♦ Suitable for all types of paths including hard core and paved. Installed with no path disturbance.
- ♦ Self-calibrating for optimum performance.
- ♦ Units are installed on either side of path with no cabling between the units.
- ♦ No visible sensors to be kept clean or attract the public.
- ♦ No maintenance and long battery life.
- ♦ Protective housing and recycled plastic post model have all elements contained within housing, including the bike antenna.
- ♦ Metal post model is extremely vandal-proof. The bike antenna is connected to the control unit in the post by a concealed wire which emerges at the post base. The wire and antenna can be hidden in vegetation, rocks, or soil at the side of the path.
- ♦ Highly vandal resistant with security tool required to open either the housing or the post. Access is needed to change batteries, to read display, or to download data.
- ♦ Supplied either with LCD display or data logger for time-date data that can be downloaded onto a PC.

Target Applications

- ♦ Bicycle tracks and trails
- ♦ Long distance multi-use routes
- ♦ Forestry tracks, rough and tarmacked paths
- ♦ Urban green-ways
- ♦ Mountain biking centres

RadioBeam Bicycle & People Counter Specifications

Technology:	Dual RadioBeam
Units:	Transmitter and receiver units.
Antenna:	Bike antenna is external to the units when metal posts are used, and are internal to the units if supplied in the protective housing or recycled plastic posts. The people antenna is contained within the units.
Track width:	
Bikes	3.5 metres maximum for protective housing and recycled plastic post
People	5 metres maximum for metal post
Dimensions of protective housing:	
Transmitter and receiver:	38 x19 x 14 cm
Waterproofing:	BS IP67
Batteries:	
Transmitter:	4 D cells lithium (2 years)
Receiver:	2 D cells lithium (2 years)
Indicators and controls:	
Transmitter:	Battery check LED
Receiver:	Two 6 digit LCD displays (with display model) Bike detect Bike sensitivity control People beam strength Battery check LED Magnetic switch to activate indicators Magnetic switch to reset display (display model only)
Approvals:	UK DTI approved to MPT 1349
Data Logger	Options: Records date, time and counts for download to PC via a USB lead.
Protective housing	Provides high vandal resistance and additional protection from the elements. Opened using supplied security tool. All elements are within the box. Mounting plate can be provided.
Posts	Metal posts are galvanised steel which can be painted. Bike antenna buried next to path and cable concealed within post. Recycled plastic posts contain all elements with no external cables.



RBBP in protective housing



RBBP in metal posts



RBBP in recycled plastic posts