

Overview



The RBB bicycle counter accurately counts cyclists and ignores pedestrians. All types of bikes are detected irrespective of whether they are constructed of steel or alloy.

We have developed the RBB using RadioBeam technology to provide accurate and reliable counting in all weather conditions. It is robust, suitable for rugged situations and all path surfaces. The unit self-calibrates to give optimal performance at all times.

The system consists of 2 units that are installed on either side of the path. The units are normally supplied either contained within robust protective housing or enclosed in galvanised metal posts.

The RBB can be supplied with a data logger that provides date-time stamped data which is downloaded onto a PC/laptop with the USB download lead. Alternatively, it can be supplied with a 6-digit LCD display that is reset to 'zero' with the supplied magnet.

Additional bicycle counters

RadioBeam Bicycle Single-Sided (RBBS): can be supplied as a single-sided unit with the cable passing under the path surface to the far antenna.

Bicycle-People (RBBP): separately counts each category of user.

Bicycle-People-Horse (RBBPH): separately counts each category of user.

Directional Counters: distinguishes the direction of travel. Contact us for further information.



Features and Benefits

- ♦ Counts all cyclists and ignores pedestrians.
- ♦ Uses our unique and proven RadioBeam technology
- ♦ Reliable all-weather operation
- ♦ Suitable for all types of surfaces, including paved. Installed with no path disturbance
- ♦ Self-calibrating for optimum performance
- ♦ Suitable for paths up to 2 metres wide
- ♦ Units are installed on either side of path with no cabling between the units.
- ♦ No visible sensors to be kept clean
- ♦ No maintenance and long battery life
- ♦ Protective housing model has 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 cycle routes
- ♦ Forestry tracks, rough and paved paths
- ♦ Urban green-ways
- ♦ Mountain biking centres

RadioBeam Bicycle Counter

Specifications

Technology:	RadioBeam
Units:	Transmitter and receiver control units, batteries, bike antenna (fully encapsulated), data logger (if applicable)
Track width:	2 metres maximum
Waterproofing:	BS IP67
Batteries:	
Transmitter control box:	8 D cells alkaline (life >12 months)
Receiver control box:	4 D cells alkaline (life >12 months)
Indicators and controls:	
Transmitter control box:	Battery check LED
Receiver control box:	6 digit LCD display (supplied with display model) Signal detection LED Bike detection LED Sensitivity control Battery check LED Magnetic switch to turn on LEDs Magnetic reset switch (supplied with display model)
Installation Options for units:	
Protective Housing:	
Composition:	Polycarbonate
Options	Can be supplied with mounting plates 1. All parts including antenna, are housed in the inclosure. 2. External antenna.
Metal Posts:	
Composition:	Galvanised steel (can be painted) 2 metre wire for connecting bike antenna (longer on request)
Installation:	Top of post about 0.8 metre above ground level



Transmitter:
Supplied
within
polycarbonate
housing



Receiver:
Supplied
within
polycarbonate
housing



Bike counter installed in wooden
posts on mountain path



RBB in situ in metal
posts painted black



External bike
antenna