

**NEW SMALL SIZE
STANDARD UNIT**

Chambers Electronics

RADIO BEAM COUNTER RBX5/RBX5L



- * **NEW TECHNOLOGY**
- * **HIGH RELIABILITY**
- * **COUNTS PEOPLE, HORSES, SKIERS, CARS and CYCLISTS etc.**
- * **LOW BATTERY CONSUMPTION**
- * **ALL WEATHER OPERATION**
- * **VERY LONG SENSING DISTANCE**
- * **EASY TO INSTALL (NO LEADS)**
- * **BEAM PASSES THROUGH WOOD AND PLASTIC**

Description

The RBX5 is the latest model of Radio Beam People Counter which uses Radio Beam Counting Technology which was developed by us. This counter is the most advanced and reliable counter on the market today. The counter will operate under all weather conditions, including heavy rain and snow, and will give accurate counts. The counter consists of a radio beam transmitter and receiver, and operates by detecting the change in radio signal as a person walks between them. The counter is very adaptable and can be used for counting walkers, skiers, snowmobiles, cars etc. The transmitter and receiver can be set up to 8 metres apart (20 metres for the long distance unit) and can therefore be positioned far back from the path so that they cannot be seen. The counter has very low battery consumption and AA lithium batteries will last for over a year. The unit is very easy to set up, as there is no cable between the two units. The sensor has a narrow beam and can therefore discriminate between individuals in groups if the unit is positioned where walkers normally walk in single file. The radio beam passes through thin wood and plastic so that the counter can be hidden behind signs etc. This unit has signal strength indicator which makes alignment very easy and has improved radio beam filtering to eliminate unwanted RF interference.

Dual counting of people and horses or people and cars

The counter can be used for discriminating between people and horses, or people and cars. and can be supplied with a dual output for counting both categories.

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Specifications

Detection Method: Radio beam

Approvals: UK DTI Approved to MPT 1349

Frequency: Frequency is dependant on country regulations

Housing: Robust polycarbonate housing

Transmitter: 120 mm x 80 mm x 55 mm

Receiver: 120 mm x 80 mm x 55 mm (RBX5)

120 mm x 122 mm x 55 mm (RBX5L)

120mm x 122 mm x 85 mm (with internal logger)

Sensing distance: 8 metres max. RBX5 standard wide angle receiver.
20 metres max. RBX5L long range unit.

Waterproofing: Waterproof to British Standard IP67

Indicators

Receiver: 6 digit LCD counter
(optional when supplied with logger)
Beam strength LED indicator
Battery check LED

Transmitter: Battery check LED

Controls: Display and indicators ON (magnetic switch)
Reset counter (magnetic switch)

Batteries: Receiver and Transmitter
2 AA lithium batteries lasting >360 days
PP3 batteries lasting >200 days using lithium batteries
>100 days using alkaline batteries

Data logger:

A microprocessor based data logger can be supplied which is connected to the receiver box. The logger records the number of people passing in a pre-set time interval. This information is retrieved and analysed by connecting the logger to a standard PC. The logger records data for up to 670 days if set at a 1 hour interval. The logger can be supplied external or internal to the receiver unit.

Additional housing:

A robust housing can be supplied in situations where vandals may damage the counter. The housing has low absorption to the radio beam and has tamper proof screws. The counters can also be installed in cut-outs in posts which are then covered with a thick plastic material. We can now offer these for the RBX5.

Separate battery and logger box:

If required a separate waterproof box can be provided for the battery and logger in situations where this would be beneficial.



TRANSMITTER



RECEIVER RBX5



RECEIVER RBX5L