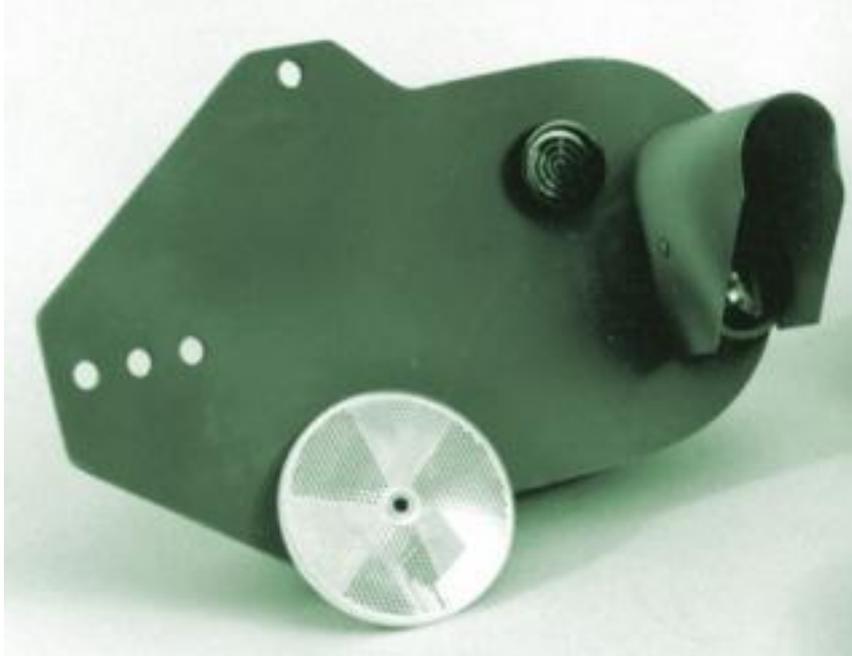# Trail Counter TTC-4430

NEW & IMPROVED

Infrared Beam Volume Interval Counter

The TTC-4430 incorporates a faster microprocessor, larger memory capacity, & brighter display. Programming, data retrieval, & monitoring is now possible with a connected computer running our Centurion software. Data can now be displayed showing the exact time/date of each record interval. Memory has also been expanded from the original 400 days to 1250 days of data using 1-hour intervals (about 30,000 intervals).

The Millennium Trail Counter is a portable, battery-operated instrument for counting trail usage in remote areas. The original Trail Counter was designed, developed, and manufactured for years under an agreement with the Forest Service.
The unit can be left in the field for long periods and operates on four "D" cell flashlight batteries. It is constructed with a lightweight, watertight aluminium housing which is visually identical to the old counter.

The counter, consisting of a scanner and a reflector, is designed to bolt to the backside of a tree and is easy to conceal and install. The cast aluminium housing contains the electronics, optics, a 2-line 16-character OLED display, and a sonic device to aid in beam alignment and provision for the four "D" cell batteries in a lockable battery compartment.
The TTC-4430 can be ordered to provide the same operation as the previous unit (TTC-4420) "Classic" mode or optionally "Enhanced" mode.
Additional features while using the "Enhanced" mode:

- Selectable intervals (1, 5, 15, 30 minutes, 1, 2, 3, 6,12, or 24 hours)

- Programmable "Study Time" - Stop data collection after a selected timeframe.

- Supports direct communication with Centurion v1.49 (and newer) to program, download, or monitor data in real time.

- Optional delay starts to align with interval boundaries (i.e. next quarter hour or full hour).

- Data file downloaded in "Enhanced" mode can contain optional values:
  - Complete Site ID and Info Lines
  - Weather and User ID
  - Data Start and End Time along with Study Summary
  - Site GPS Coordinates

In operation, the scanner is mounted on one side of the trail and the reflector on the other. The scanner housing has been designed to be as small as possible and is finished in dull camouflage; the infrared beam is not visible to the naked eye, and the counter makes no noise. Sturdy and rugged, the counter cannot be tripped by falling leaves, walking sticks swung by hikers or other small objects, and so that it will not register more than one count for long objects like horses, canoes and cycles.

The 65' range obtained with the Trail Counter gives field personnel the opportunity to use natural camouflage. The TTC-4430 also comes a proprietary serial port for transferring data to our Centurion software (v1.49 or newer).
The Millennium Trail Counter (TTC-4430) is specifically designed to be deployed along forested hiking trails. Ideally located where hikers will be funnelled down into a single file in order to obtain an accurate count.

We do **not recommend** that this product be used to monitor or count other objects such as cars, trucks or other motorized vehicles.

Specifications	
SIZE	10" x 3" x 7" (25.5cm x 7.5cm x 18cm)
CASE	Weathertight IP64 cast aluminium case with separated battery compartment
WEIGHT	8 Lbs. (3.6kg)
POWER	Four "D" alkaline batteries. Average life is 12-15 months.
DISPLAY	2-Line 16-Character OLED display
COUNT	Continuous volume grand total

MEMORY	Up to 1250 days of - (1-Hour Interval Data)
IR WAVELENGTH	9400 A
DETECTION RANGE	65ft (~20 meters)
UNATTENDED OPERATION	1 year plus

PackageTTC-4430 Ships with three lag bolts, three reflectors and Keychain with Magnet