

Traffic Tally 200

2 Channel ultra-low power
Inductive loop detector



Features and Specifications

The Traffic Tally 200 is an inductive loop traffic detector used to count traffic in one or two lane applications. The unit operates at very low power and is able to work with standard or custom loops to detect vehicular and bicycle traffic simultaneously. The unit contains a built in Liquid Crystal Display to show accumulated counts on each channel, and has LED indicators for channel status and detections.

The TT-200 is powered by 8 "D" cell alkaline batteries providing an average operational life of 2 years. The unit can be operated simply by its three button interface and has selectable frequency and sensitivity ranges for each channel independently. The unit can be operated standalone without the need for any external software or hardware.

Optionally, the TT-200 can be equipped with a real time data logger that can store timestamp events for count/classification data processing. The optional data logger can store up to 120 million events in memory and has an expected 10-year battery life independent of the detector so data is never lost. Using the Diamond Centurion or Optio software, the data logger can be programmed and data retrieval is simple. Centurion Software features advanced processing of data providing easy exports to Excel and 17 different export formats with over 20 different reports formats.



Features

- **Watertight Design**
With most recorders having to endure harsh weather, the TT-200 is designed around a polypropylene case that is watertight to allow for operation in harsh roadside environments without the need for an external cabinet.
- **Ultra-Low Power Consumption**
Using standard D Cell batteries, the unit has a 2-year battery life on average. Unit can be set to higher sensitivity which provides 1-year battery life at the highest detection setting.
- **Compact Size and Lightweight**
The unit is easily carried via its handle and is lightweight (under 2lbs) without batteries. Multiple units easily store in vehicles or even in a backpack.
- **Automatic Sensor Tuning**
The unit once powered on will automatically tune to any sensors connected. The unit will constantly adjust its sensitivity based on traffic conditions for an accurate count in most applications. Manual operation is also available via the keypad for bicycle and high sensitivity demanding applications.
- **Windowed LCD**
A Liquid Crystal Display provides real time count totals for both channels and is visible without opening the case through the see through window.
- **LED Channel Indicators**
LED's provide channel status including sensor connections, faults, detection and current frequency and sensitivity settings. With the LED indicators, unit operation is simple and features clear indication of unit operation.
- **Standard External Connection**
A standard Military Spec terminal connector is provided for loop inputs. Optional plug is available for external relay outputs of channel detection for external triggers.
- **User Labels (reusable)**
Writable fields for easy pencil marking that are erasable include: Site ID, Last Read, Reset, and Battery Time and Date fields. No more confusion about when unit was last read or batteries were replaced.
- **Warranty**
Unit is backed by our Diamond Traffic Products standard one-year comprehensive warranty. See website for details.

- **Optional Data Logger**
The data logger provides storage of timestamp event data for software data processing and flexible data reporting. Data Logger will hold up to 120 million data events and has a real time clock and dedicated power cell for continuous operation. Data can be accessed via the Optio Android App and our Windows Centurion software.

Specifications:

- **Display**
8-digit solid state LCD
- **Power**
 - Battery pack: 8 D cell Alkaline 12vdc
 - Power Draw: Typical ~380µA @ 12vdc, Max 780µA @ 12vdc, Min 210µA @ 12vdc
- **Physical**
 - Size – 4.29"H x 7.8"W x 9.44"L (10.9cm x 19.8cm x 24cm)
 - Weight - 3lbs (1.3 kg) without batteries
 - Case – Polypropylene molded case with lid and thumb latches. O-ring seal with sealed sensor inputs and carry handle. Crush and Impact resistant.
- **Environmental:**
Watertight IP67
Operating Range:
 - -40°F (-40°C) to 165°F (72°C)

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