![Orangetraffic logo]

# Bluetooth™ Detection Unit – BTM-232

**TPA North America Inc**

Vehicle detection system used to calculate transit times. To facilitate traffic management, Orange Traffic is proposing a Bluetooth™ vehicle detection system that serves to calculate transit times between two points in a road system.



## Description

The BTM-232 is the system's detection unit. It is designed according to industry standards with respect to sturdiness and quality and requires no regular or preventive maintenance whatsoever.

The unit is installed to a mast—usually an existing traffic or street light mast—using standard metal clips and can be connected to the client's telecommunications network.

The BMT-232 can be powered by the electrical grid or by a solar panel mounted to the mast. Communications are ensured by an RS-232 link.

The BTM-232 includes:

- An IP65 enclosure
- A Bluetooth transmitter-receiver
- A cellular modem operating via a GPS receiver
- A mounting bracket
- An RJ-45 connector with specially assigned power supply and RS-232 communication pins

Orange Traffic also proposes an optional RS-232 to Ethernet converter.

## Specifications

### Technical characteristics

- Supply voltage: 8 to 24 VDC
- Operating temperature range: -40 to +85°C (-40 to +185°F)
- Operating relative humidity range: 5 to 95% without condensation

## Bluetooth transmitter-receiver

- Operating range: up to 125 metres (configurable)
- Detection: up to 254 devices per 5-second scanning period
- Approved by the European Union, Industry Canada and the FCC
- Compliant with the IEC611-2 standard (impacts and vibrations)

## Housing

- Type IP68-11 and NEMA 3, 3R, 4X, 12 and 13
- Screw-in cover with stainless steel hinges
- Continuous polyurethane foam seal ensuring optimal integrity
- Dimensions: 287 x 236 x 138 mm (11.31″ x 9.31″ x 5.43″)

## Mounting plate

- Powder-coated aluminium with two slots for a stainless steel retaining strap

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## For more information: 1 800 363-5913

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