



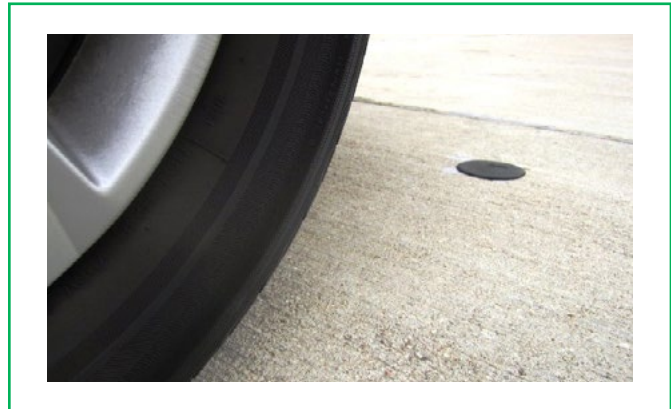
## Small In-Road Sensor Without Lead-In Wires

The Pod is installed in the roadway and supports two-way wireless communication to the central Access Point. These compact and robust sensors house an industry-leading, D-size lithium battery, providing up to 10 years of life with an average of 700 activations per hour, 24/7. The battery is replaceable. Each sensor has an auto-tune functionality, allowing it to recalibrate if the environment changes or the roadway shifts or buckles.

The 900-MHz frequency band provides a large range for detection and reliable communication, with the ability to pass around obstacles and penetrate foliage, as well as communicate through snow, water, and ice that may have collected over the sensor. This extended range eliminates the need for a repeater, thus simplifying the system by reducing the number of components, streamlining installation, and easing maintenance.

## Installation is quick, with minimal road closure duration:

- Cut a hole that is 4.5" in diameter by 2.75" deep, using a diamond-tipped drill bit (no saw cuts).
- Place a dab of Fabick M-PP-450 epoxy in the bottom of the hole.
- Install the Pod in a clamshell and place the Pod in the hole, with the upper edge at a minimum of 3/8" from the roadway surface.
- Fill the hole with epoxy.



# Product Features & Specifications

## FEATURES

Magnetometer	<ul style="list-style-type: none"> <li>• Three-axis magnetometer for vehicle detection</li> <li>• Extra Z-axis sensor for additional measurement</li> <li>• Count, presence, and speed detection modes</li> </ul>
Radio Communications	<ul style="list-style-type: none"> <li>• Uniquely addressable and configurable</li> <li>• Firmware can be upgraded wirelessly</li> </ul>
Deployment	<p>Can be deployed where other systems cannot be used, including with</p> <ul style="list-style-type: none"> <li>• Split roadways</li> <li>• High water tables</li> <li>• Damaged pavement</li> </ul>

## SPECIFICATIONS

Frequency Band	902 to 928 MHz
Frequency Channel	60
Ambient Operating Temperature Range	-40°F to 185°F (-40°C to 85°C)
Humidity	100%, IP68 Rating
Channel Bandwidth	430 KHz
Maximum Output Power	20 dBm
Dimensions	2"H x 3.6"D

## PART NUMBERS

Pod	50285-2000
Epoxy, Joint Sealant	9000-2000
Dual Applicator	8020-0002
Clamshell	50285-5002

Trafficware's Pod Detection System™ uses patented technology exclusively licensed from Massachusetts Institute of Technology (M.I.T.) and has one or more features covered by one or more of the following patents: U.S. Patent Nos. 6,662,099, 8,855,902 and 9,020,742. Other patents pending. The foregoing notice is intended to serve as a notice under 35 U.S. C. § 287(a).