



trans-Q

Non-Intrusive Radar Traffic Classifier

Overview

The *trans-Q* radar traffic classifier meets the increasing demand for a reliable, non-intrusive traffic measuring device. Daily traffic volumes continue to increase making it more difficult and dangerous than ever to install traffic sensors in the roadway, or on top of the road surface. The *trans-Q* gives traffic engineers a solution for these concerns.

The *trans-Q* is easy to set-up on the roadside with a PDA (Palm) and does not disturb traffic flow. The sensor detects all passing vehicles in two directions, obtaining their length, speed and classification. Data is easily retrieved with either a PDA or wireless connection (GPRS or Bluetooth).

Benefits

- ▶ Non-intrusive technology allows you to analyze traffic without sensors in the roadway
- ▶ Easy roadside installation with pole-mounted set-up
- ▶ Does not disturb traffic flow
- ▶ Reduces safety risk to workers because there is no maintenance of embedded roadway sensors
- ▶ 12 volt battery can be recharged in as little as eight hours
- ▶ No tubes, loops, or chains

Applications

- ▶ Traffic studies
- ▶ Volume, speed, and classification studies
- ▶ Traffic impact or feasibility studies
- ▶ Stop signs, traffic lights, or posted speeds
- ▶ Road construction
- ▶ Temporary parking studies
- ▶ Mall developments
- ▶ Airports
- ▶ Military bases
- ▶ State parks or recreational areas





Features

- ▶ Non-intrusive radar classifier that provides high-resolution speed, count, and length classification
- ▶ Two lane detection - two direction capability
- ▶ Optional anti-theft bracket
- ▶ Can be integrated with Nu-Metrics® HDM (Highway Data Management) software
- ▶ Complete installation in under 30 minutes
- ▶ Rechargeable battery
- ▶ Solar power option
- ▶ Easy set-up using either a PDA (Palm) or wireless connection (GPRS or Bluetooth)



Key Specifications

Model Number	PTQ-200
Speed Range	2 to 130 mph (3 to 199 kmh)
Length Range	3 to 75 feet (1 to 25 meters)
Directions	Two direction detection
Radar Range	Up to 98.4 feet (30 meters)
Power	12 volt battery (rechargeable)
Battery Life	Average 10 to 12 days at -20°C to 60°C
Operating Temperature	-22°F to +176°F (-30°C to +80°C)
Computed Values	English or metric
Data Storage Memory	Up to 1.2 million vehicles
Set-up and Retrieval	Palm PDA (RS-232, Bluetooth, GPRS)



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