

Evolis Speed Indication Device

Frequently Asked Questions

1: What is the EVOLIS Speed Indication Device used for?

A: To measure the speed of approaching vehicles and display the speed back to the driver making them aware of whether they are speeding or not. It is considered a driver education device that is used to reduce overall excess speeding and make the roads safer.

2: Where can the Speed Indication Device be used?

A: Subject to approval from the road asset owner, on a roadway that has vehicles travelling on it, where speeding is an issue.

3: What traffic speeds can the Speed Indication Device measure?

A: 0-199 km/h. However it is recommend that the sign be configured to cut displaying speeds well above the speed limit so that the sign does not encourage drivers to see how fast they can go and have it displayed on the sign.

4: What technology is used to display the messages on the Speed Indication Device?

A: Light Emitting Diodes (LED's)

5: What colour LED's are used on the display?

A: Green, Amber and Red

6: What is a matrix?

A: A matrix is a grid of LED's allocated to form a text character on the display screen.

7: What are the dimensions of the Speed Indication Device?

A: The display housing itself is 700mm high x 709mm wide x 170mm deep

8: How high are the Speed Digits on the display?

A: 340mm

9: How big is the display area and how high are the characters on the bottom matrix display?

A: 64 x 16 cm (60 x 16 pixels), 1 line of 7 characters 160mm high or 2 lines of 10 characters 70mm high

10: How heavy is the Speed Indication Device?

A: 8Kg (without batteries)

11: What device is used to measure vehicle speeds?

A: A 24.125 GHz Doppler radar sensor

12: How accurate is the speed display or the device measuring the vehicle speeds?

A: Accurate to +/- 1km/h (travelling at 100km/h)

13: What is the vehicle detection range for the Speed Indication Device?

A: 10-250 meters. Ideal detection range is 100-250 meters

14: What is the weatherproof or environmental protection level of the Speed Indication Device?

A: IP66

Frequently Asked Questions continued

15: What is the Speed Indication Device made from?

A: The housing is made from ultra-tough ABS resin with no joins giving excellent strength and the display screen is made from tough polycarbonate making the entire unit very durable and strong.

16: If the Speed Indication Device operates on batteries only, with no charging system, how long is the sign operational before requiring charging?

A: 4 days (1 battery) - 8 days (2 batteries)

17: What batteries does the Speed Indication Device operate on?

A: 2 x 12v DC 21 AmpH batteries (most common solution)

18: What battery charging options are available?

A: 12v DC Solar power or 240V AC Mains

19: Does software come with the Speed Indication Device for configuring the sign?

A: Yes. Evocom software is used with the device and free of charge to download.

20: What additional options are available for the Speed Indication Device?

A: Bluetooth connection, data logger speed statistics for one direction of traffic flow, data logger speed statistics for two directions of traffic flow, 3G cellular modem, trigger relay controller and touch screen tablet pre-loaded with software.

21: How is the Speed Indication Device mounted to a post?

A: The Speed Indication Device comes with a mounting bracket for attachment. The device can be padlocked to that bracket or permanently bolted to the mounting bracket. The mounting bracket is attached to the post using pipe clamps or band-it strapping (posts & brackets not included as standard).

22: How do I gather traffic speed and count data using the Speed Indication Device?

A: You can purchase the optional extra "One Way" or "Two Way" traffic statistics facility and you will be able to data log traffic information such as:

- Average and maximum speeds
- Vehicle count
- Distribution of number of vehicles per speed group
- Percentiles
- Synthesis of data