



Educational Speed Bump

The educational speed bump induces traffic at safe speeds. The objective is to inform driver their speed and, thus, raise awareness relative to the way they are traveling. When the vehicle passes the sensors, the equipment calculates the speed and shows it on the display.

Functionality

- It allows the driver, upon passing over the inductive loops, to view their own speed on the display.

Applications

It is recommended for urban and rural roads, either public or private. Examples: Areas with large circulation of pedestrians and cyclists (shopping mall surroundings, churches, hospitals, among others); residential or school areas, and industrial areas.

Characteristics

- Monitors up to 02 traffic lanes.
- Two available structures: Simple (with a maximum of 2 digits and the flashing) or complete (with up to 3 digits, flashing and signaling triggered according to vehicle speed).

Technical specifications

Measurement

- Interval: 1km/h to 300km/h
- Accuracy: ± 5 km/h up to 100km/h and $\pm 5\%$ for measured values greater than 100km/h

Installation (fixing):

On a post; half gantry on type II support or trussed arm; and gantry on trussed arm.

Magnetic profile

- Number of samples: 1000 samples/second

Display

- Technology: Led
- Number of digits: 2 digits – speed up to 99km/h
2 ½ digits – up to 199km/h
3 digits – up to 999km/h
- Number of LEDs/digit: 349
- Visibility: 24h (even under rain and fog)

Lamps

- Technology: Led
- Flashing: Uninterrupted operation for signaling attention and indicating the presence of the equipment

Indicators (optional):

- Indicate the passage below or above the speed limit
- Colors: Green and amber (according to the speed)

Dimensions

Simple structure:

- Height: 0.73m
- Width: 0.60m
- Depth: 0,205m

Complete structure:

- Height: 0.80m
- Width: 0.77m
- Depth: 0.205m

Environmental conditions

-10°C to 55°C with up to 95% relative humidity

Electrical characteristics*

- Supply voltage: 127Vac or 220Vac (-15% to +10%), 60Hz;
- Average power: 28 to 258W
- Peak power: 11 to 300W
- Energy consumption: 52 to 157kW/h/month

*Variations according to the number of lanes, configuration and vehicle flow

Regulation

- INMETRO ordinance: 003/2015
- Standards met:
- Structural Project: NBR 8800; NBR 6123; NBR 14762; NBR 6355; NBR 8855; NBR 9971; NBR 5871; NBR 10062; NBR 8851; NBR 10065
- Electrical Project: IEC 61000-4-3; IEC 61000-4-4; IEC 60068-2-30; IEC 60068-2-1; IEC 60068-2-2; NR 10; NR 18;