E.M.C. : Multiple Sensor Recorder

Nowadays, cycling has become a modern and sustainable mean of transportation in constant evolution. In order to acknowledge the size of this new trend, data collection is now essential to evaluate the flow in Bicycle lanes. In order to answer this expanding need, SFERIEL has developed a complete user-friendly solution with all the benefits of its radar counting technology: the E.M.C.

Key features:

- Autonomous bidirectional counting unit
- Fast and non-intrusive installation
- Date, time and speed for each passage in front of the sensor
- Easy data retrieval: SD card with ASCII file compatible with any spreadsheet
- Menu-driven configuration with user-friendly interface
- In-built keyboard and LCD screen
- Open architecture : you can connect other types of sensor to the E.M.C unit for specific needs (axle counting, pedestrian data)

Specifications:

- Doppler Radar 24.125 GHz sensor (speed ≥ 3 km/h)
- Adjustable mounting bracket for easy antenna fixation and orientation
- Data storage: SD Flash Card (DOS/Windows file)
- Multipoint RS485 interface to add other sensors (pneumatic tube, inductive loop, piezoelectric sensor, infrared sensor)
- Memory autonomy: approximately 1,000,000 vehicles
- Power supply: one 6V air-depolarized battery for approximately 1 year and a half of energy supply.
- IP 6.6 case
- Size: 400 x 300 x 200 mm
- Weight: 12 kg

To avoid any possible vandalism problems, the antenna can be placed inside the case. In this particular configuration, the case will have to be oriented at 45° from the bike lane .

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