

Portable/Fixed Site Speed Detection Sign (PSDS)



The PSDS was designed to provide advisory warning to motorists that they are travelling too fast through a designated speed controlled zone. The sign uses a radar detector to monitor the speeds of passing motorists. If the vehicle speed exceeds the preset threshold then the actual vehicle speed is displayed on the sign and logged on a removable compact flash disk. Flashing beacons attract the driver's attention to the display when this action occurs. The PSDS includes a SANDISK, which records the time, date and speed of the vehicles in .CSV format enabling easy interpretation through Microsoft Excel.

- Detects and displays the speed of approaching vehicles (user configurable direction)
- Multiple threshold selectable speed 'trigger' settings
 - 8 settings, increase in increments of 10
- Records time, date and speed of vehicle in .CSV format (Microsoft Excel and Database compatible)
- Light Weight (including internal batteries)
 - < 16.5 Kg total
- Rugged weather proof design with easy lift handle
- Low current consumption
 - Typically < 0.4 amps
- Portable tripod design
 - Easy assembled and removable for temporary applications
- Easy setup
 - Takes 1 person approximately 2 to 3 minutes to assemble on site
- Semi-portable or fixed site application
 - Maybe mounted upon a fixed or permanently located signpost, with a pad lock mechanism for security





Models

PSDS 2: PSDS with 2 panels (speeds up to 99 km per hour)

PSDS 3: PSDS with 3 panels (speeds greater than 100 km per hour)

PSDS functions include

- Accurate speed display
- Logging data to a removable compact flash SANDISK
- Flashers (side mounted alternately flashing LED lamps for driver awareness)
- The passive advisory sign may be interchanged to different user requirements (school zone, work zone or hazardous area)

Specification

Physical

- Weight:
 - 18.5 kg package maximum
 - < 15 kg sign (including internal batteries)
 - 3.5 kg tripod
- Operational temperature < 85°C

Power Supply

- Operational voltage: 12 volt DC
- Battery expected operation time: approx 30 hours continuous display operation
- Current consumption: < 0.4 amps
- Easy external charge access through MILSPEC connector

Light Output

- Yellow in colour as per CIE 1931 Chromacity (590 nms)
- Type of LED: Yellow AlinGap, output luminous intensity 3.2 CD/LED (daylight operation)
- Daytime visibility over 400 metres
- Size of character 20 cm x 28 cm, matrix of 5 x 7 pixels, 4 LEDs per pixel

Display Intensity

- Daylight mode = LEDs can be brightened to increase visibility
- Night time mode = LEDs can be dimmed to eliminate “flaring” (overly bright) and reduce current consumption