

MOBILITY

TRAFFIC



MOBILTRAF 300

TRAFFIC COUNTER/CLASSIFIER

GENERAL CHARACTERISTICS

The **MobilTraf 300** is a high performance unit for counting and classifying road traffic, especially in non-urban contexts (moderate/high speed), as well as in urban contexts and along cycle paths (bicycle/pedestrian counting).

The sensor employs the most advanced microwave, signal processing and communications technology; it is highly flexible in use, with very low power consumption and excellent precision.

The MobilTraf 300 can be battery powered, with a life of up to 20 days, for temporary installations; or powered with a photovoltaic panel or by the mains (230 V / 50 Hz) for permanent installations.

For local communications, whether cabled or wireless, the unit has a USB port and Bluetooth® module.

Remote connections are made via the cellular network with the optional internal GSM/GPRS module.

When GPRS is used, the data are automatically transmitted to an FTP server or email account at set intervals, which makes data collection very simple and

straightforward.

The MobilTraf 300 is designed to be effectively invisible to motorists; it is generally installed at the side of the road, on the guard rail or on a pole.

The optional internal GPS module automatically locates and registers the MobilTraf 300, entering this data into the detection files, without the need to set the device's position for each new installation (temporary installations).

The collected data are saved locally in a space-saving binary format on a high capacity SD card.

The MobilTraf Manager software allows the user to configure the detection settings and download, delete and process the data, as well as exporting them for import to a spreadsheet application.



PRINCIPAL CHARACTERISTICS

- Vehicle, bicycle/pedestrian detection
- Installation at the side of the road
- Long battery life
- Excellent communications capacity
- Can be battery, solar or mains (230V / 50Hz) powered



TECHNICAL SPECIFICATIONS

INSTALLATION

- At the side of the road or cycle path; at around 1m off-the ground

INTERFACE

- USB port

COMMUNICATIONS

- Bluetooth®
- GSM / GPRS (optional)

LOCATION

- GPS (optional)

MEMORY

- Industrial 512 MB SD card (optional 2 GB)

OUTPUT DATA

- Per individual vehicle: date; time; number of transit; lane; direction; headway and gap; speed; length
- Bicycles and pedestrians: date; time; number of transit; direction; speed

DIRECTIONS DETECTED

- Direction 1 and/or direction 2, configurable

MEASUREMENT RANGE

- 1 kph ... 255 kph

POWER

- Battery (in battery holder)
- Photovoltaic panel (optional)
- Mains 230 V / 50 Hz (optional)

BATTERY COMPARTMENT VERSIONS

- Standard: 12 V / 9 Ah
- Smart: 12 V / 9 Ah, or 12 V / 18 Ah (optional)

BATTERY LIFE

- Up to 10 days with 2 12 V / 9 Ah battery holders (depending on active functions)
- Up to 20 days with 2 12 V / 18 Ah battery holders (depending on active functions)

OPERATING TEMPERATURE

- -20 °C ... +60°C

PROTECTION RATING

- IP65

DIMENSIONS AND WEIGHT

- 1090 X 215 X 90 mm (W X H X D)
- 8.9 kg without battery holder
- 1 battery holder 12 V / 9 Ah = 3.5 kg
- 1 battery holder 12V / 18 Ah = 6.0 kg

SOFTWARE

- MobilTraf Manager

OPTIONAL ACCESSORIES

- USB cable
- Battery charger for standard battery holder
- Power supply for smart battery holder
- Carry case (unit and battery holders)
- Pole mounting kit