

MOBILITY

TRAFFIC



MOBILTRAF 300^{COMPACT}

TRAFFIC COUNTER/CLASSIFIER

GENERAL CHARACTERISTICS

The **MobilTraf 300^{Compact}** is a high performance unit for counting and classifying road traffic, especially 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^{Compact}** can be battery powered, for temporary installations; or powered with a photovoltaic panel or off 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^{Compact}** is designed to be effectively invisible to motorists and its shape is in harmony with the street furniture.

The optional internal GPS module automatically locates and registers the **MobilTraf 300^{Compact}**, 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 1 m 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 5 days with one 12 V / 9 Ah battery holders (depending on active functions)
- Up to 10 days with one 12 V / 18 Ah battery holders (depending on active functions)

OPERATING TEMPERATURE

- -20 °C ... +60°C

PROTECTION RATING

- IP65

DIMENSIONS AND WEIGHT

- 760 X 215 X 90 mm (W X H X D)
- 6,5 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