

### PHOENIX LOOP COUNTER



PHOENIX 12 loop counter

- Multimedia Technology
- 6 to 12 loops as a standard
- Latest generation microchips
- High reliability of the circuitry (CMS cards)
- Backlighted LCD screen
- Easily programmed on site
- Very low consumption
- Optimized (CPU, power supply and integrated detectors)
- Size discrimination on a single loop (Light/Heavy vehicles)
- Usual softwares compatibility
- Neural network analysis of signature files
- Easily programmed through standard instructions
- 1 year warranty (product returned to factory if failing)

The loop road counter Phoenix is designed for temporary counts based on electro-magnetic loops. The detectors are integrated to the counter.

The cast aluminium case comes along with a handle and a fastener allowing to lock the counter with a padlock. Boxes are easily piled up for transport.

PHOENIX counter holds :

- A 16 position keypad.
- A backlighted LCD screen.
- An automatic clock
- A Multimedia technology allowing to program and collect data using a RS 232 link, USB keys and SD FLASH cards.
- An IP66 level of protection.
- A loop connection wire (accessory)

Dimensions :

- Height : 353 mm
- Width : 213 mm
- Deepness : 120 mm

Weight :

5kg

## Counting capacity

4Mo memory.

### DLE standard instructions mode

12 possible speed classes.

2 possible length classes (light and heavy vehicles).

Minimal autonomy is 142 days of count (6 lanes, 12 speed classes / 15 min time gaps).

### LCR standard instruction mode

Habitual measurements (Speed, length, headway, occupancy). 12 possible speed classes. 6 possible length classes.

6 possible occupancy classes.

Minimal autonomy is 113 days of count (6 lanes, 12 speed classes / 15 min time gaps).

## Power

Estimated battery life : more than a year with a 3V Air Battery.

## Collection and programming language

Langage des compteurs DLE par clavier ou PC. Relevé par protocole ELLIS (ENQ).

Tedi / LCR (Langage de commande Routier) correspondant aux normes :

NFP 99302 protocole TEDI.

NFP 99340 norme générique du LCR

NFP 99344 norme spécifique aux unités de mesures de trafic, le compteur est compatible avec la classe 2 des UMT.

NFP 99304 norme spécifique aux données de mesures de trafic.

The counter can be programmed and collected using both languages through the terminal connectors or by using a modem.

The measured data can be stocked on a USB card or a FLASH SD CARD. This way, collecting all of the counter's data and transferring it to a computer is very quick.

### Data file format:

FIME, and NFP 99304 norm LCR.

This format is readable by XTEDI, MELODIE, WINNIE and MOUSTIC softwares.

### Resolution of measurements :

- Volume :  $\pm 1\%$
- Speed  $\leq 4\%$
- Length  $\leq 10\%$

