

## E-zy topometer

### Instructions for use

#### PRODUCT PRESENTATION

Designed for road network operators and public works companies, the E-zy topometer helps employees to carry out their various tasks.

- Construction site marking
- Precise distance measurement
- Event counting
- Visibility measurements
- Road marking surveys

It consists of a colour display, a cable for connection to the vehicle and a swivel bracket.



#### SETTING UP

Fix the topometer in the vehicle so that it can be easily consulted and accessed. Be careful not to install it so that it obscures the driver's field of vision.

##### 1. - Fitting the base

- Screw-on base: use self-drilling screws to secure the base.
- Suction cup base: place the suction cup on the windscreen (clean and free of grease) and turn the knob to lock it in place.

##### 2- Fixing the display to the base

. Use the arm to connect the ball on the base to the ball on the display. You can orientate the display as you wish. Once you have found the ideal position, tighten the knob on the arm to lock the position.

NOTE: the position of the ball on the display can also be changed in 45° increments. To do this, unscrew the ring at the back of the display to release the pin and orientate the display on the bracket before retightening the ring to lock the display on its bracket.

##### 3- Connecting the display to the vehicle

The display unit is connected to the vehicle using its OBD-II cable. Connect the M12 socket to the rear of the display, observing the coding, and tighten the ring by hand (do not use tools).

Then connect the OBD-II socket to the vehicle's diagnostic socket. This is located around the driver's compartment, but may be in different places depending on the make and model of your vehicle.

## 4- Configuring the E-zy topometer



Start the engine so that the appliance configures itself automatically.

Configuration starts automatically and takes around 10 seconds before automatically switching to the various operating functions.

If the E-zy topometer encounters a configuration problem, a message is displayed in red on the screen.

Wrong communication  
with vehicle (OBD-II)

Check that the vehicle's engine is switched on. If it is, access the menu by pressing "OK" and choose the "VEHICLE CHOICE" menu, then select your vehicle and press "OK". If you are still having problems, please contact us.


## 5- Navigation between functions


To move from one function to another, use the LEFT and RIGHT arrows on the central navigation button. The functions can be used simultaneously.




### ODOMETER FUNCTION


The ODOMETER function is used to measure distances with sub-metre accuracy over several kilometres. You can take intermediate measurements or measure different sections that are added together.

**STARTING A MEASUREMENT** : Press the button , it will turn blue if the measurement is active. If you press it again, the measurement is paused and will not restart until you press it again.

**INTERMEDIATE MEASURE** : Press the button . A new measurement will be recorded. You can take up to 20 intermediate measurements.

**REVERSE**: You can have the counter count down, for example, if you are reversing. To do this, press the AR button . It will turn blue when the countdown is active. Press it again to deactivate.

**RECORDED MEASUREMENTS** : To view the recorded measurements, you can use the UP and DOWN arrows on the central navigation knob.


**DELETING DATA** : All the measurements taken with the odometer function remain stored in memory even after the vehicle has been switched off. To delete them, press the reset button . This is only active when a measurement is not in progress.



## INTERVAL FUNCTION

The INTERVAL function gives you a visual warning when you reach a set distance. This is repeated until the function is switched off.

**DISTANCE INTERVAL** : You can adjust the interval distance in steps of 10m. To do this, use the -10m **-10m** and +10m **+10m** buttons.

**STARTING A MEASUREMENT** : Press the button , it will turn blue if the measurement is active. If you press it again, the measurement is paused and will not restart until you press it again.


**REVERSE** : You can have the counter count down, for example, if you are reversing. To do this, press the AR button **AR**. It will turn blue when the countdown is active. Press it again to deactivate.



## MARKING FUNCTION

The MARKING function lets you choose the layout of a work zone and tells you which signs to put up and at what distance.


**MARKING SCHEME**: Use the UP and DOWN arrows on the central navigation button to choose the marking scheme best suited to your site.


**START MARKING OUT** : Press the button , it will turn blue if the function is active. If you press it again, the MARKING function will stop.

**END OF WORKS**: The marking scheme continues until the end of the site is indicated. It is necessary to press the **End** button when you reach the end of the worksite. The function will indicate the signs to be installed after the worksite.

## COUNTING FUNCTION

The COUNTING function lets you count a number of events on a route, such as the number of trees lining the road. The function will also give you statistics on the intervals between different counting points.

**STARTING A MEASUREMENT** : Press the button ; it will turn blue if the count is active. If you press it again, the count will be paused and will not restart until you press it again.

**COUNTING** : Press the button . Each time the button is pressed, the counter is incremented.




**DELETING DATA**: All the measurements taken with the COUNTING function remain stored in the memory even after the vehicle has been switched off. To delete them, press the **Reset** button. This is only active when the count is not active.




## CALIBRATION FUNCTION

To obtain superior measurement accuracy, you can calibrate your E-zy topometer via the calibration menu.

To calibrate it, you need a track of known length. The longer the track, the more accurate the measurement.

To start calibration, press the button  and travel the calibrated distance. At the end of the distance, adjust the distance seen by the topometer using the  and  buttons. Once the distance has been adjusted, press the **SET** button. The device is now calibrated. Press OK to return to the MENU.

**ATTENTION :** When you change vehicle to the E-zy topometer, the calibration values are retained. It is therefore necessary to carry out a calibration on the new vehicle or to reset the calibration value by pressing the button  twice when you are in the calibration menu.

## OBD-II SOCKET CONFIGURATION

The OBD-II socket on the cord has a switch for configuring the power mode.

### **Position : +BAT**

This mode is compatible with all vehicles because it is standardised. In this position, the topometer is powered directly from the battery. The topometer switches to standby after 2 minutes if the vehicle is not moving. This mode has a low standby consumption, so if the vehicle is not used for several weeks, it is advisable to switch the topometer off (OFF/Ext mode) or to pull the plug.

### **Position : +APC**

This mode depends on the configuration of the vehicle's OBD-II socket. It uses pin 1 of the connector, which is usually connected to the vehicle's + after ignition. In some vehicles, this pin is not connected or is assigned a different function. You can check the function of pin 1 using a multimeter. If it corresponds to the + after vehicle contact, this is the preferred mode for using the topometer.

### **Position : OFF/Ext**

This mode allows the topometer to be switched off when not in use for a long time, or to be manually connected to a power supply after the vehicle has been switched on.

To connect the + after contact to the socket :

1. Unscrew the 2 cover screws and remove the cover.
2. Insert a wire with a maximum cross-section of 0.5mm<sup>2</sup> into the push-connector marked +APC.
3. Connect the wire to the + after the vehicle ignition.

+APC OFF/Ext +BAT



+APC  
in

NOTE: It is not necessary to add a fuse. A resettable fuse is built into the connector.