ALFANO®
CHRONOMETRIC SYSTEM

TYRECONTROL A-186

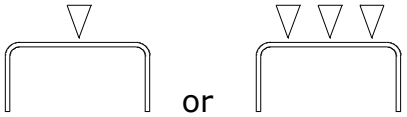
User Manual (EN)

Introduction

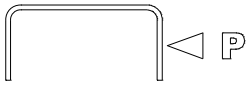
TYRECONTROL is a device exclusively designed to control the tyres of your vehicle.

TYRECONTROL allows you to:

- Measure and memorize the temperatures on the tyre surface in 1 or 3 sections by tyre.



- Measure and memorize pneumatic pressures.



- Regulate pneumatic pressures (reduce only).
- Measure and memorize auxiliary temperatures (asphalt, etc…).
- Transfer data recorded to the PC.

Replacing the batteries

First, switch off the device in order to avoid loss of data recorded. Insert the two new batteries into the device properly and make sure the terminals "+" and "-" are aligned correctly.

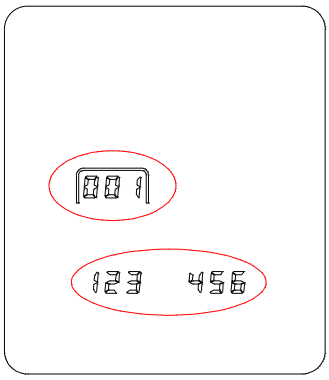
Battery type: 2 x AA

Important : It is imperative to use quality batteries manufactured by reputed brands in order to prevent battery leakage into the device.

A failure caused by the battery acid voids the warranty.

Software number and serial number of the Tyrecontrol

During some seconds, as soon as you light the Tyrecontrol, the screen displays the soft number (in top) and serial number of each device (below).



Caution

The Tyrecontrol is a device of precision and, of this fact, sensitive to the electromagnetic currents coming from the ignition of the motor.

Hold the Tyrecontrol therefore to minimum 50cm of the motor ignition to avoid to get false readings or a freezing of the device when the motor is in working.

Switching on the TYRECONTROL

- Either normally pressing the middle button to activate the TYRECONTROL:
  WITHOUT back light.

- Or pressing the same button for 2 seconds to activate the TYRECONTROL:
  WITH back light.

Operation

The TYRECONTROL has 6 main options represented by 6 icons:

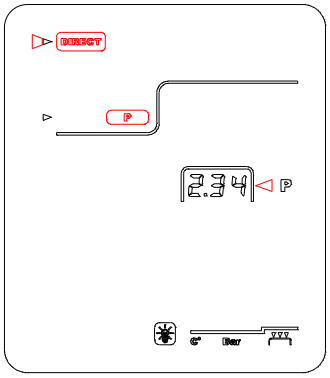
DIRECT | RECALL | RESET | REC | | OFF

DIRECT

The device is placed in the DIRECT mode when you activate the Tyrecontrol.

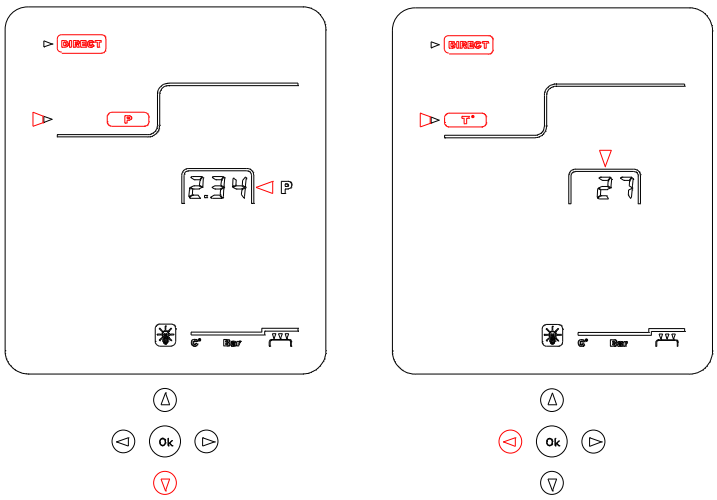
This option consists in quickly measuring the Pressure (P) or the Temperature (T°)

First, the TYRECONTROL displays the temperature (T°). Connect sensor A-481 on the device and place it on the tyre; the TYRECONTROL will show you the temperature.



NOTE : You can reduce the tyre pressure by activating the TYRECONTROL valve.

In order to measure the Pressure (P), press button ▽ and then button ▷.
Adjust the device pipette on the tyre valve and the TYRECONTROL will show you the pressure.



RECALL

This option consists in recalling the Pressures (P) and the Temperatures (T°) recorded in each « SET ».

The Tyrecontrol has 5 SETs:

(Set 1) (Set 2) (Set 3) (Set 4) (Set 5)

Each SET is divided into 4 parts:

- Part 1 : Pressures (P) recorded BEFORE the race
- Part 2 : Pressures (P) recorded AFTER the race with the gaps
- Part 3 : Temperatures (T°) recorded BEFORE the race
- Part 3 : Temperatures (T°) recorded AFTER the race with the gaps

Example : I would like to view the data recorded in Set 3. (Set 3)

On this example, there are 3 temperatures recorded by tire.

Using the 4 buttons (Ok) select the following icons:

1) « RECALL »_____Figure 1
2) « SET3 »_____Figure 2
3) « CAR»_____Figure 3

Figure 1

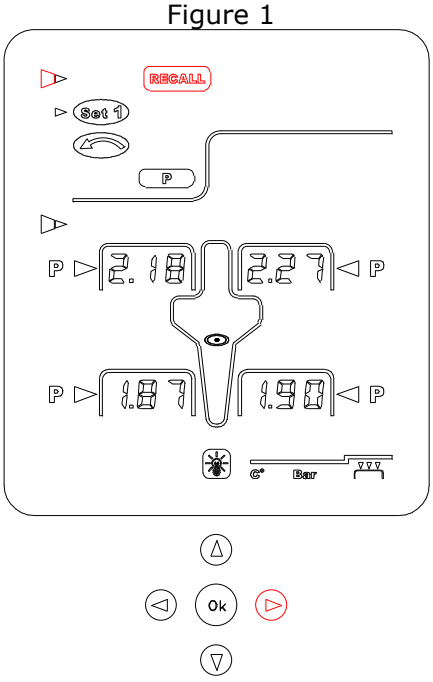


Figure 2

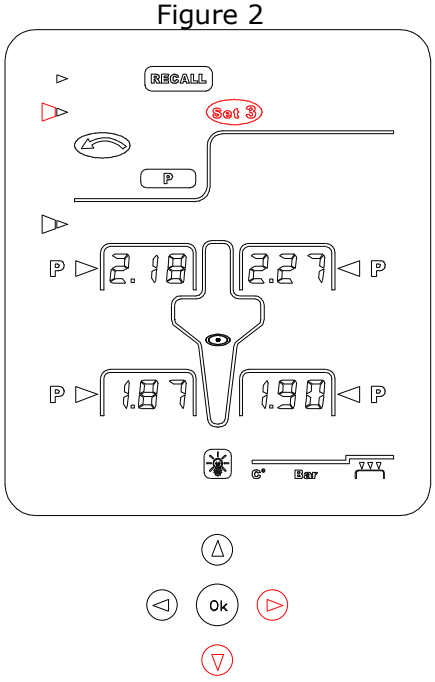
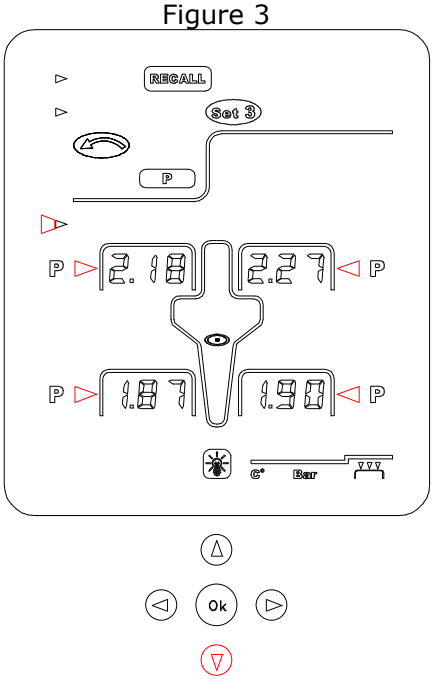


Figure 3



In order to see the information recorded in « SET3 », successively press the button ▷

1) The P of the tires the race Figure 3/4
2) The P of the tires the race + the gaps Figure 5
3) The T° to the outsides of the tires the race + the AUX Figure 6
4) The T° to the centers of the tires the race + the AUX Figure 7
5) The T° to the insides of the tires the race + the AUX Figure 8
6) The T° to the outsides of the tires the race + the AUX + the gaps Figure 9
7) The T° to the centers of the tires the race + the AUX + the gaps Figure 10
8) The T° to the insides of the tires the race + the AUX + the gaps Figure 11

Figure 4

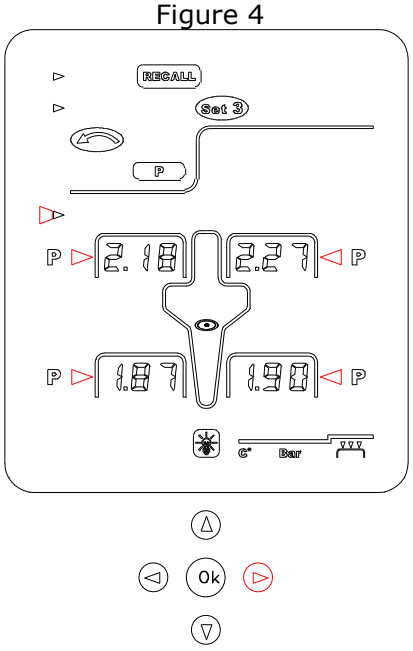


Figure 5

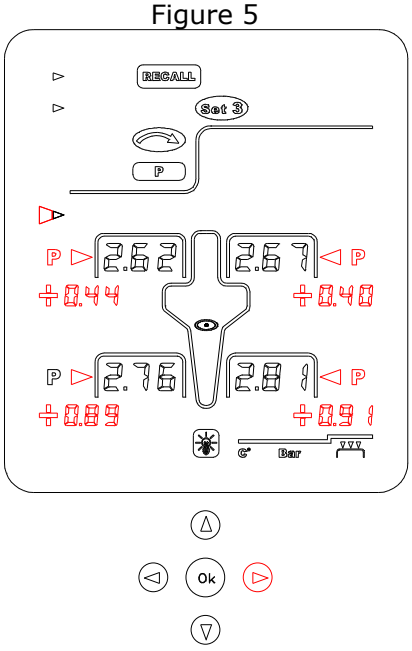


Figure 6

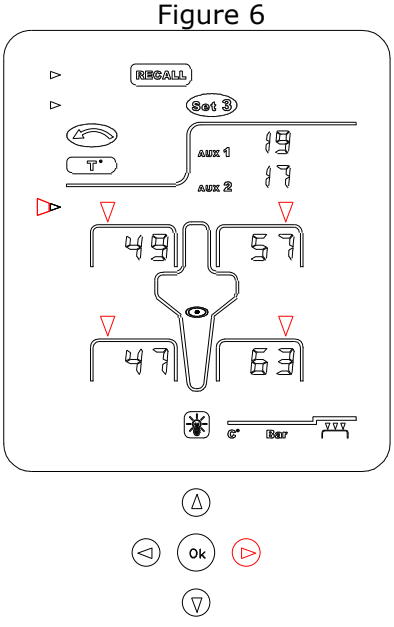


Figure 7

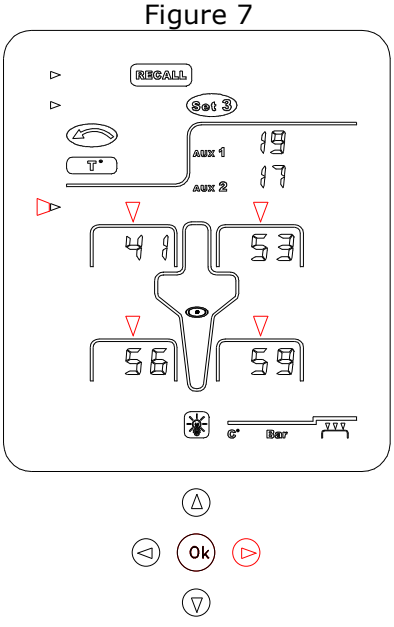


Figure 8

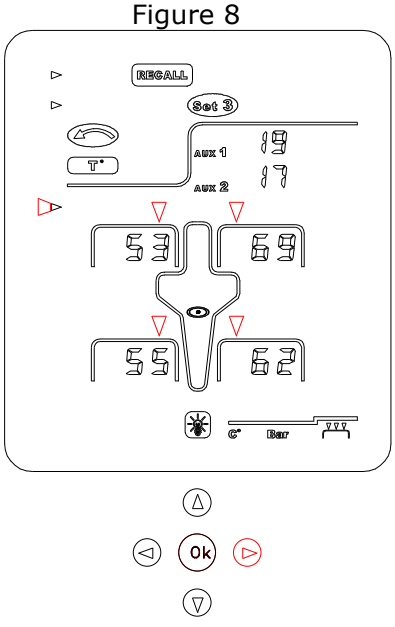


Figure 9

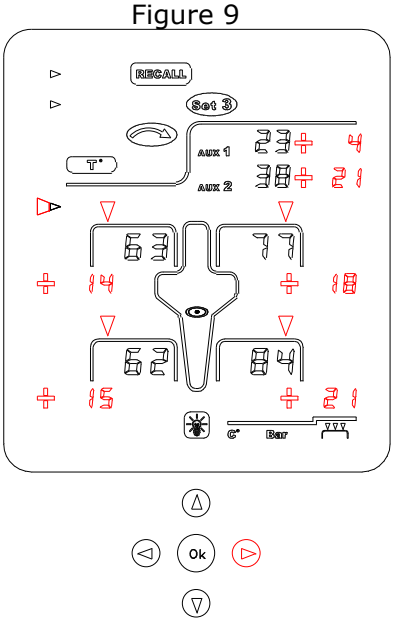


Figure 10

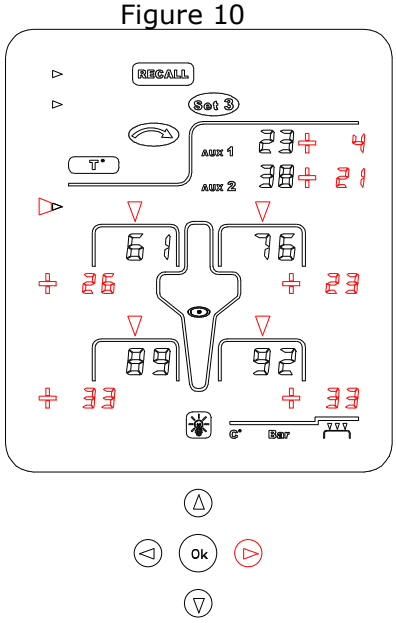
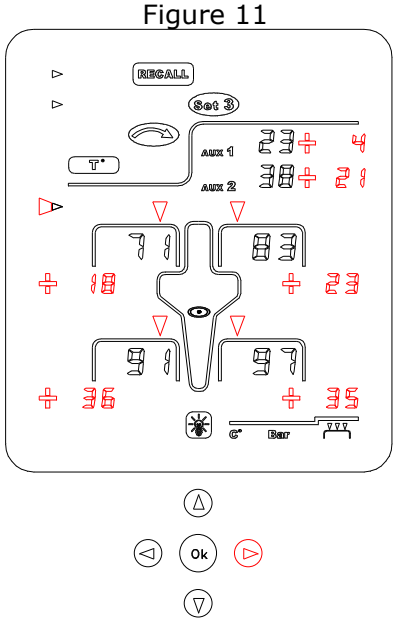


Figure 11



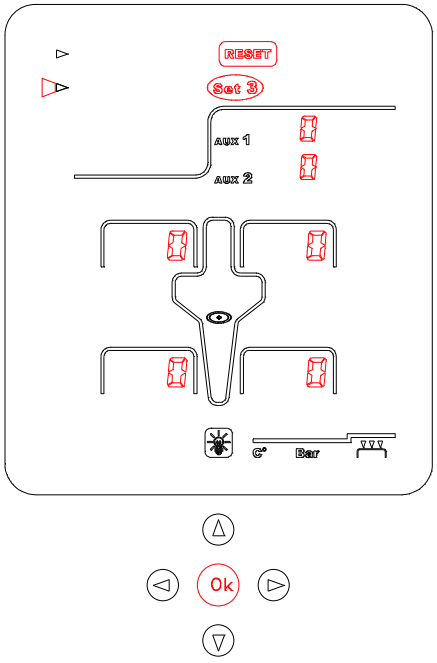
- To go backwards, press the button  .
- To choose another « **Set** », press the button  and then the buttons 

RESET

This option consists in deleting the data of each « **Set** ».

Using the 4 buttons  , select the icon « **RESET** » and the icon « **Set** » desired.

Next, press the button « **OK** » during 2 seconds.



REC

This option consists in recording the new data.

The procedure to record a complete « **Set** » must be done in 4 steps:

Stage 1: Record the Pressures P before the race

Stage 2: Record the Pressures P after the race

Stage 3: Record the Temperatures T° before the race

Stage 4: Record the Temperatures T° after the race

(The order of the steps may be different).

Example:

I would like to record on « Set5 » the « Temperatures » « Before» the race. (Step)

NOTE: in this example, the data were previously deleted.

Using the 4 buttons Ok , select:

1) « **REC** »_____Figure 13
2) « **Set5** »_____Figure 14
3) « **Before** »_____Figure 15
4) « **TEMPERATURE** »_____Figure 16
5) « **CAR** »_____Figure 17

Figure 13

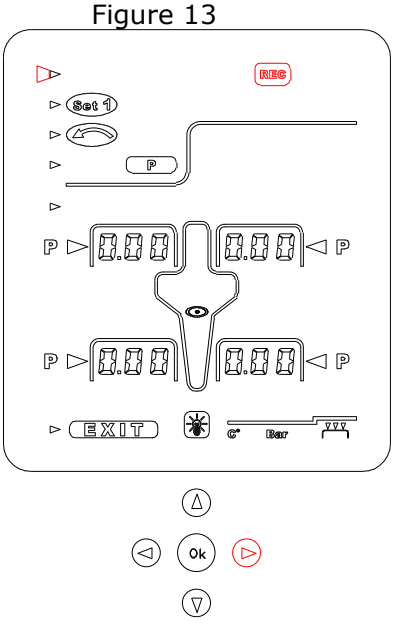


Figure 14

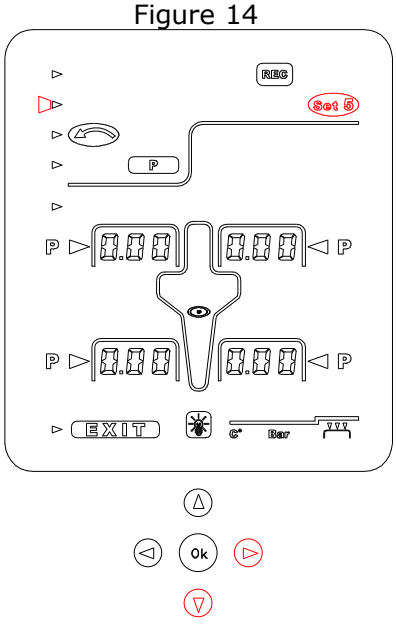


Figure 15

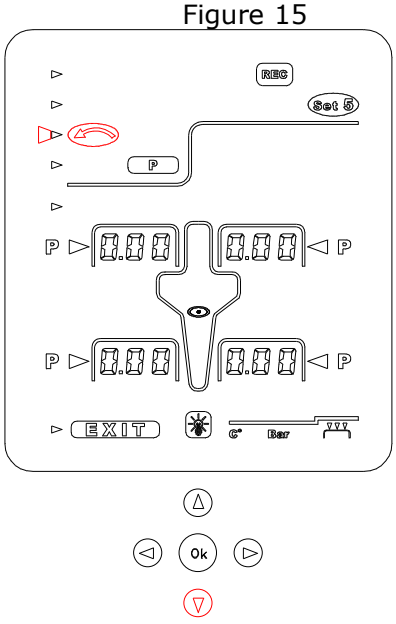


Figure 16

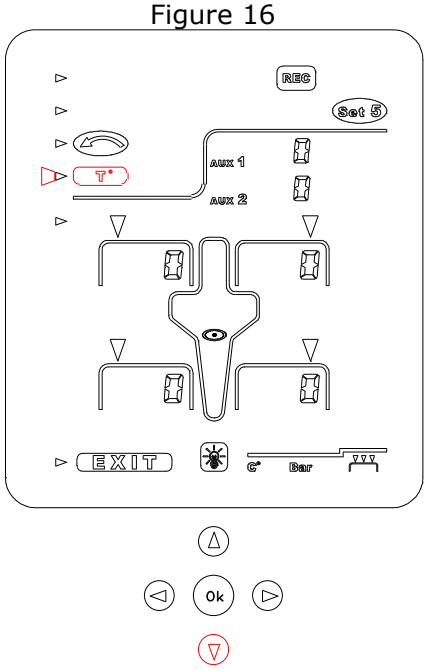
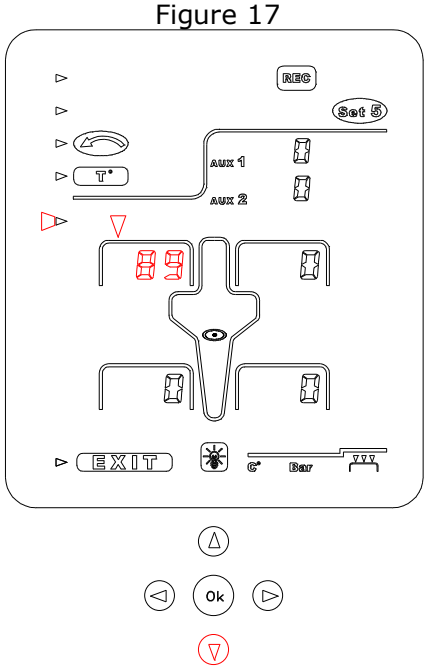


Figure 17



The TYRECONTROL is ready to record.

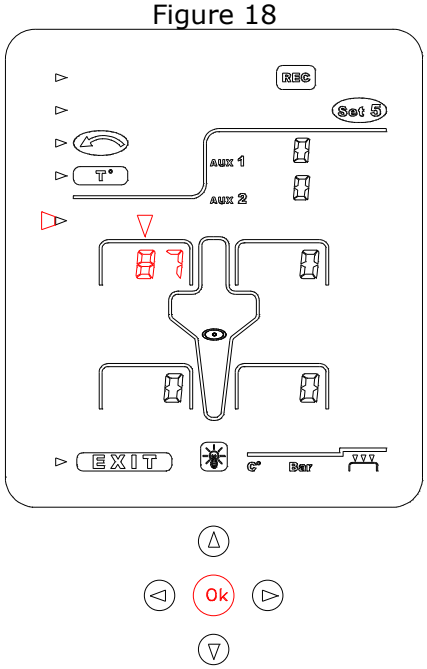
1) Place the sensor A-481 on the left rear tyre of the car, **as indicated on the TYRECONTROL display**,

2) Wait until the temperature becomes stable,

3) Press the button « **OK** » to confirm the recording. (Figure 18)

After each capture, the TYRECONTROL automatically moves to the next position. **Just follow the TYRECONTROL display.** In this case, it moves to the centre of the tyre. (Figure 18)

Figure 18

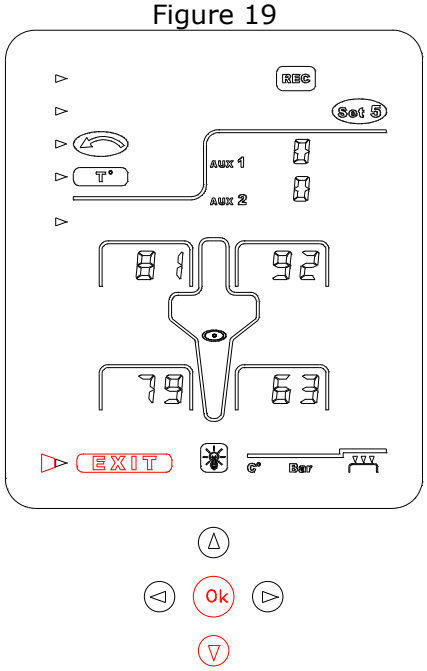


If you want to skip one or more positions or replace the recorded data, just move the arrow to the desired side with the buttons and do or do the capture again with the button Ok.

It is possible to record 2 auxiliary temperatures – in order to do it move the arrow on « **AUX1** » or « **AUX2** » and confirm the capture by pressing the button « **OK** ».

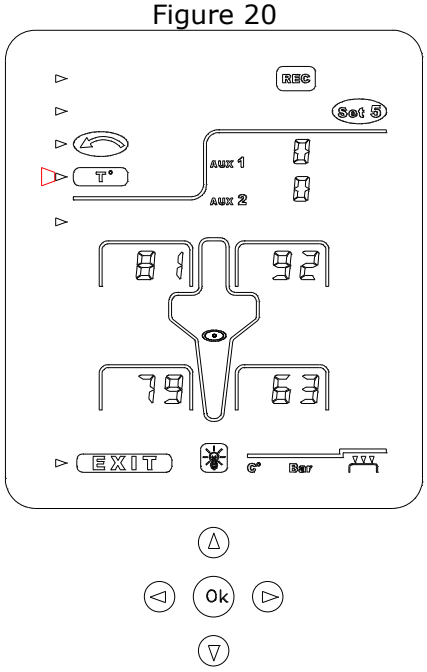
To exit recording move the arrow on « **EXIT** » and press the button « **OK** ». (Figure 19)

Figure 19



Next, the arrow is placed in front of the icons T° P in order to quickly choose the next step. (Figure 20)

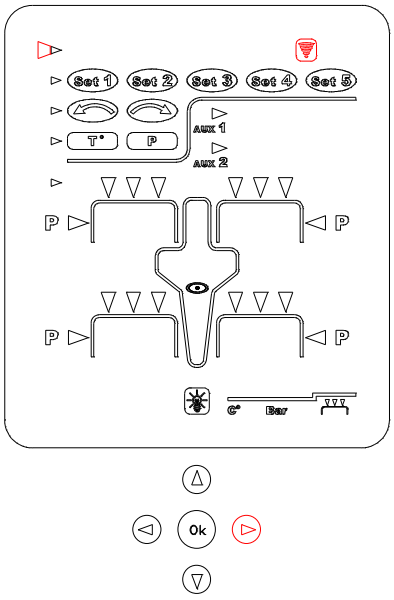
Figure 20



This option consists in transferring the 5 **« SET »** recorded to the PC.

1) Select the icon

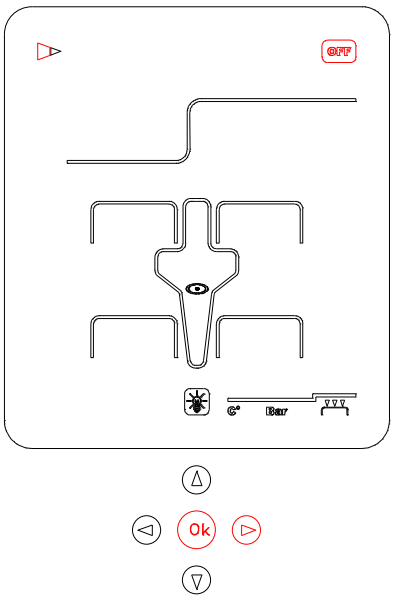
2) The download command must be done from the VISUALDATA



This option consists in switching off the TYRECONTROL,

1) Select the icon

2) Press the button « **OK** » or wait 3 seconds.



Unit configuration

This option consists in selecting the measurement units.

To enter the unit regulation mode, switch on the TYRECONTROL by simultaneously pressing the buttons Ok.

First, the TYRECONTROL is placed on the temperature unit « **C°** » / « **F°** »

Using the buttons ◁ and ▷, select the desired unit:

Confirm the selected unit with the button Ok.

Next, the TYRECONTROL is placed on the pressure unit « **BAR** » / « **PSI** ».

Using the buttons ◁ and ▷, select the desired unit:

Confirm the selected unit with the button Ok.

Finally, the TYRECONTROL is placed on the icon that represents a tyre in order to select the number of temperature captures for each tyre, « **1** » or « **3** ».

Using the buttons ◁ and ▷, select the desired number:

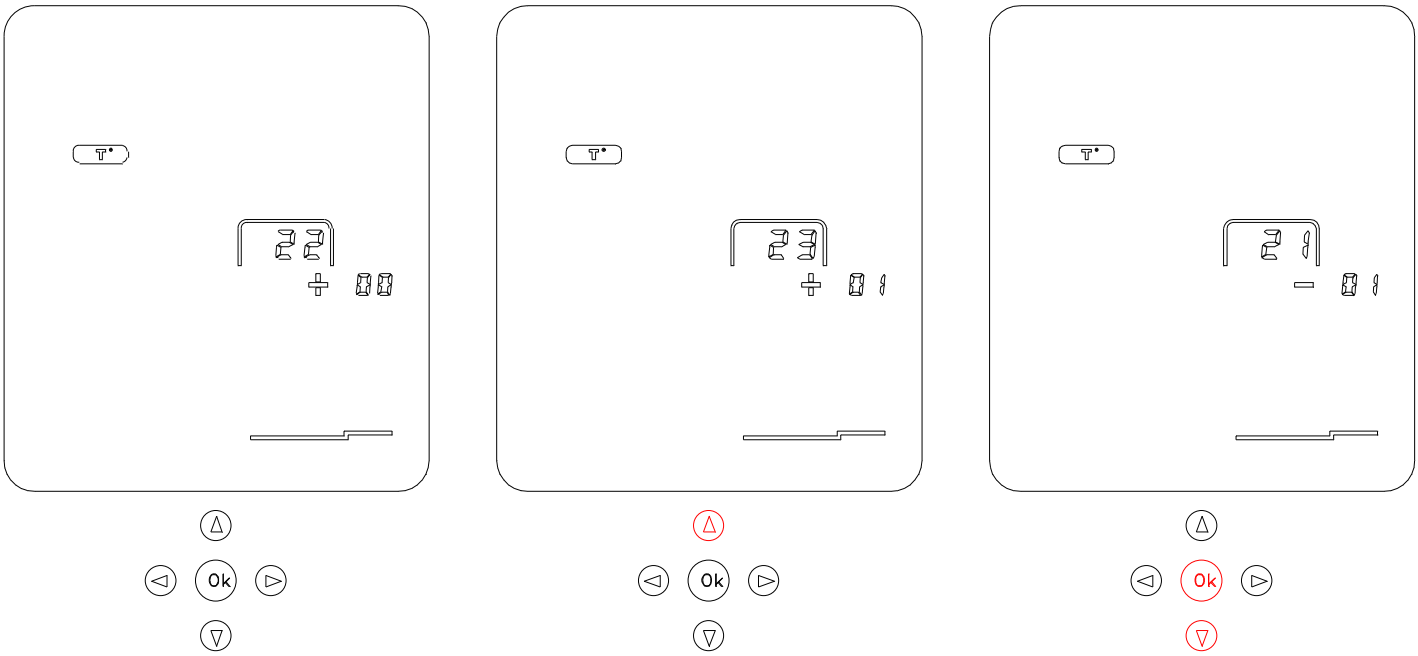
Confirm the selected unit with the button Ok.

After this last confirmation, the TYRECONTROL automatically returns to the option DIRECT.

Finally, the TYRECONTROL positions itself in the calibration menu of the temperature sensor.

Indeed, the tolerance of every temperature sensor can generate a mistake of 1 or 2 degrees. To correct this mistake, you have the possibility to calibrate this sensor while increasing or while decreasing degree by degree the displayed temperature.

- First, place the Tyrecontrol and the sensor about 1 hour in a place where the temperature is steady.
- Then, compare the temperature displayed in the Tyrecontrol with a thermometer of quality placed close by.
- Finally, if necessary, modify the temperature displayed of the Tyrecontrol with the help of the buttons ▽ △



Confirm the unit chosen with the button Ok.

After this last confirmation, the TYRECONTROL returns automatically in the option DIRECT.

Warranty conditions

All our devices have been subject to in-depth factory tests and are covered by a 24-month warranty against manufacturing defects. The warranty comes into force from the date of purchase. The date of purchase is the date stated on the invoice/till receipt given by the seller at the time of sale. The manufacturer undertakes to repair and replace free of charge any parts which have a manufacturing defect during the warranty period. Any defects which cannot be clearly attributed to the material or the manufacturer will be examined at one of our approved after-sales service centres and invoiced depending on the results. The warranty does not apply in cases of device opening, accidental damage, negligence or misuse, inappropriate or incorrect installation or failure to perform the installation in accordance with the instructions contained in the attention note and in events not associated with the rules of operation and use of the device. The warranty will become null and void in cases of repair or handling carried out by unauthorised third parties. Intervention under warranty does not entitle to the device replacement or warranty extension. Intervention under warranty is carried out at one of our approved after-sales service centres or at our head office. In the latter case, the item must reach our establishment postage paid, that is, transport costs shall be paid by the user. The manufacturer undertakes no responsibility for any damage to persons or goods caused by poor installation or incorrect use of the device.

Product modifications

Alfano SA applies a method of ongoing development. Consequently, **Alfano SA** reserves the right to make changes and improvements to any product described in this document without prior notice.

Damages and responsibilities

The products are used under the customer's sole direction and responsibility and therefore damages suffered or caused by the products shall be borne by the customer. No compensation will be paid for removal of enjoyment, and ALFANO cannot be held responsible for the direct or indirect consequences of their use or rendering useless. ALFANO's obligations are duty of care and not a performance obligation.

Disposal

The device must be disposed of with respect for environment. The chronometer and its accessories contain many plastic parts. When the chronometer or one of its accessories no longer functions, they must be dealt with according to the laws of the country. Used batteries must be disposed of in accordance with the regulations in force in your country.

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