



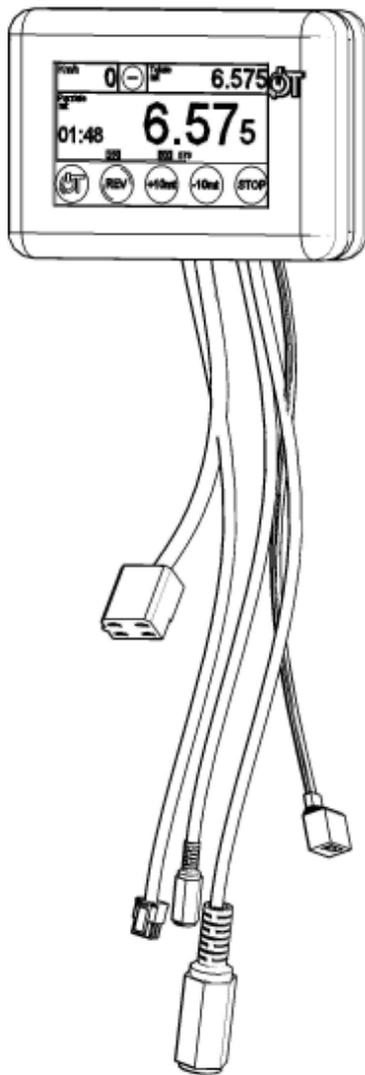
# TR!PPO

USER MANUAL TR-400/420/440/460  
V. 1.0

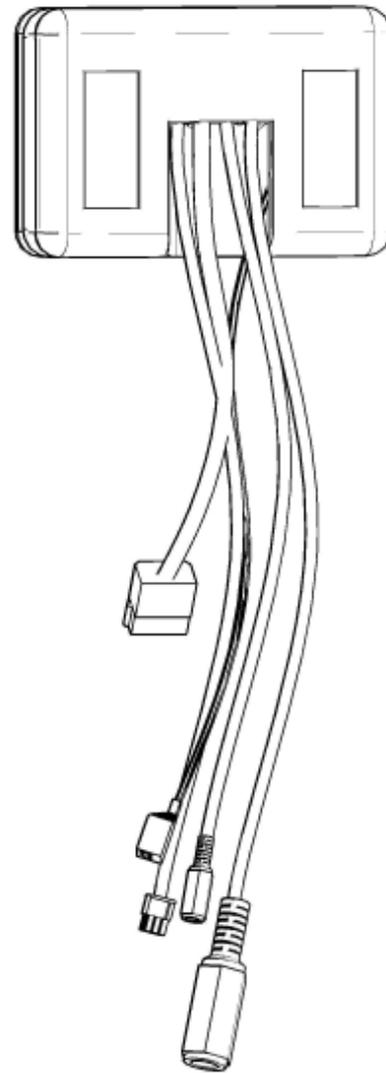


## TR 400 MULTI-FUNCTION TRIP

Front



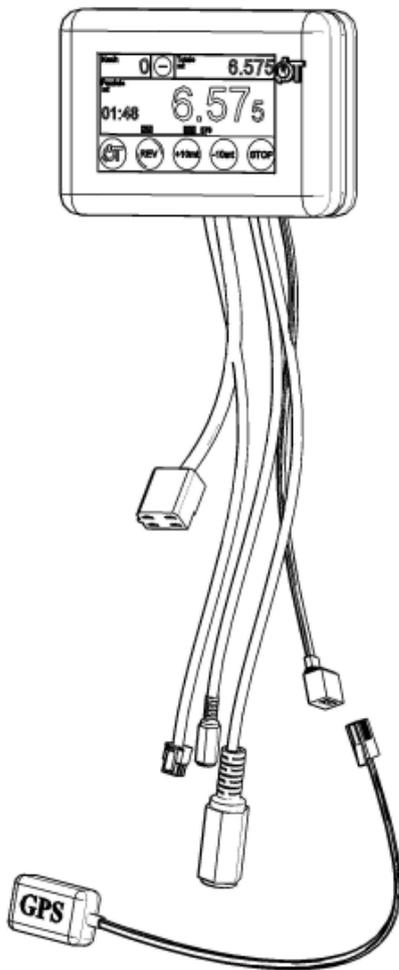
Back



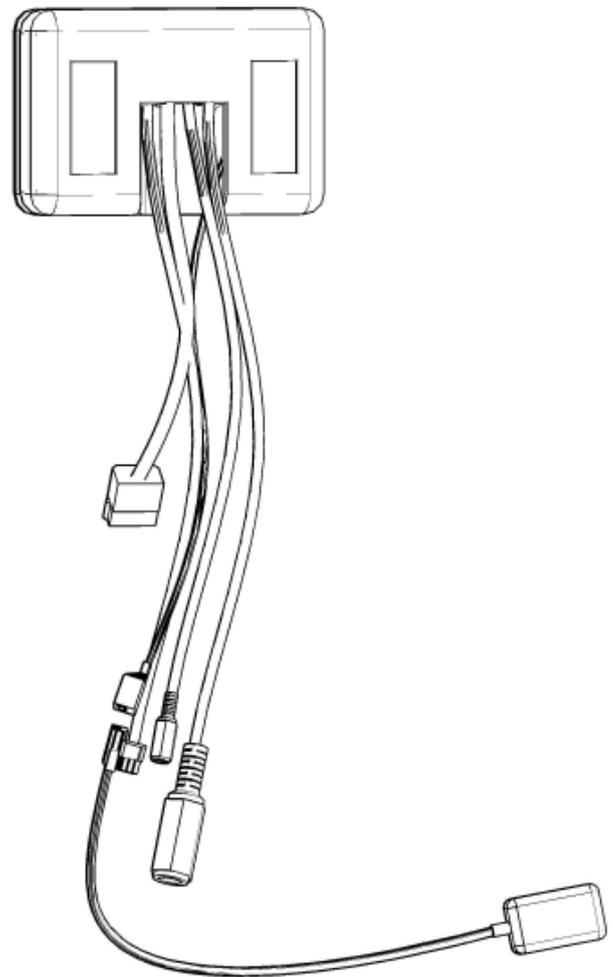
## TR 420 MULTI-FUNCTION TRIP + GPS

## TR 440 MULTI-FUNCTION TRIP + GPS+ RADIO MODULE

Front



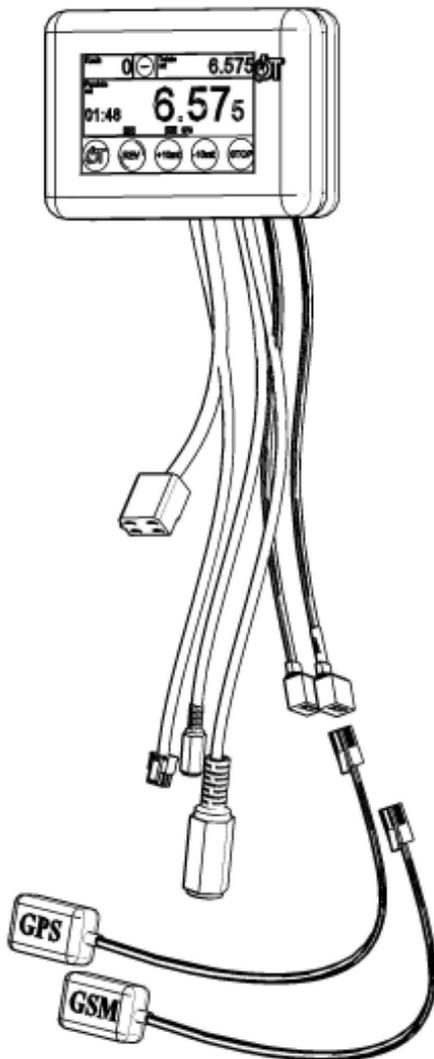
Back



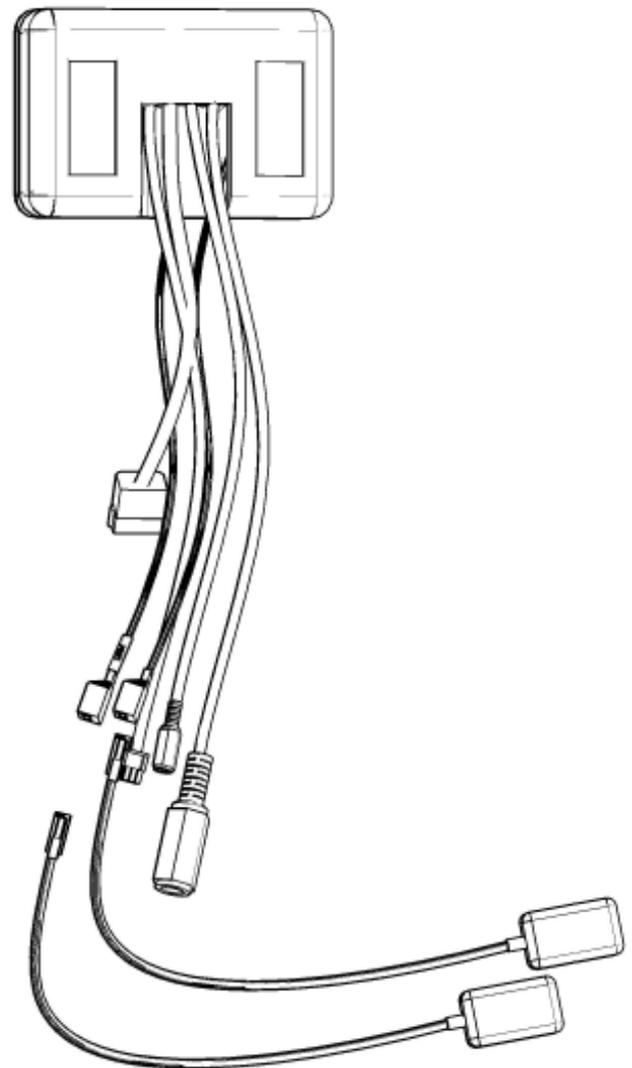
## TR 460

MULTI-FUNCTION TRIP + GPS + RADIO MODULE +GSM

Front



Back



1. DESCRIPTION	1
2. TECHNICAL SPECIFICATIONS	2-3
3. CONNECTION	4-9
4. SCREENS	10-11
5. SIGNALS AND INPUTS	12-16
6. FUNCTION TRIP	17-24
7. CALIBRATION	25-29
8. TIME FEATURE	30-32
9. FEATURE LAP	33-34
10. AUX FUNCTION	35-36
11. GPS FUNCTION	37-45
12. FEATURE SET	46-61
13. SOFTWARE	62
14. CHANGES	63



## 1. DESCRIPTION

The Trip master TRIPPO TR 400 SERIES is a multi-function odometer with interface touch screen . Designed as technical evolution of the model OT TR-200, in addition to satisfying all the functions of a precise Trip counts meters/km offers multiple solutions to the Off-Road such as:

- *GPS*
- *Transmission with wireless PC for the management of the tracks*
- *Stopwatch with partial times*
- *Countdown*
- *Visual/audible alarm for flow air filter in*
- *Visual/audible alarm for temperature liquid refrigerant*
- *Management of the reverse to the count of the meters paths*

The strong electronic integration, thanks to the use of a microprocessor of last generation, and to the installation of components of the SMD (with an electronic card to gilt trim) and the use of a 4.3-inch screen with touch-screen technology, have enabled the realization of a form very compact inserted in a polycarbonate enclosure modeled on it and highly resistant both mechanically and aggressive agents related to a use in Off-Road such as water and dust.

The Trippo TR (TR-400/460) is a product completely MADE IN ITALY, born from a passion for Off-Road.

## 2. TECHNICAL SPECIFICATIONS

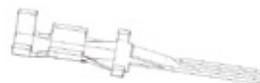
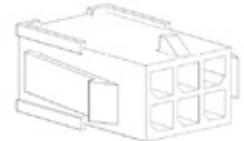
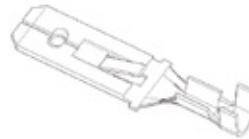
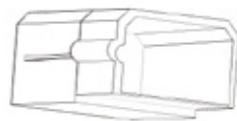
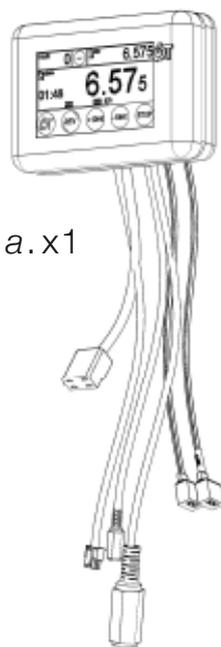
- Touch-screen Display 4.3 inch 480x272 pixels
- Microprocessor 32 Bit
- Radio module for connection with PC (with GPS module)
- Input digital Odometer (where not present you can use the module OT-Encoder)
- Double reading km/mt total and partial (in different colors to make them easier to understand)
- Input for GPS module (GPS wired supplied on TR420 /440/460 )
- Marking the Home position (with GPS module)
- Fulfilment, storing and loading of a road map (with GPS module)
- 8 Memories for metric calibration
- GMT watch (with GPS module)
- Solar/Legal time (with GPS module)
- Time zone (with GPS module)
- Sensor input flow air
- Sensor input temperature liquid refrigerant
- Input for reversing signal
- Amplified Buzzer Exit
- Output for auxiliary controls (lights, winch, etc)
- Touch Calibration
- Day/Night manually video setting (or automatic with GPS module)
- Input for connection Reset push RS

- Chance to set the address for the connection via radio with the PC
- Speed limit can be set manually, with visual/audible alarm
- GSM Module, to transmit the current position (latitude and longitude), with sim card to control point (direction of the race/assistance, only on TR 460).
- REV Control for the inversion of the count (with indicator flashing insertion)
- Linear Indicator 1Km with notices to 250, 500 and 750 mt
- Quick passage with screen from Trip to the GPS and vice versa (dedicated button on the joypad reset)
- Possibility to protect some functions with Password
- Numeric Keypad to change:
  - > Calibration Value
  - > Speed Limit
  - > Address
  - > Pin code
  - > Service Center Number (SMS)
- Calibration touch-screen
- Enable/Disable sound alerts

## 3. CONNECTION

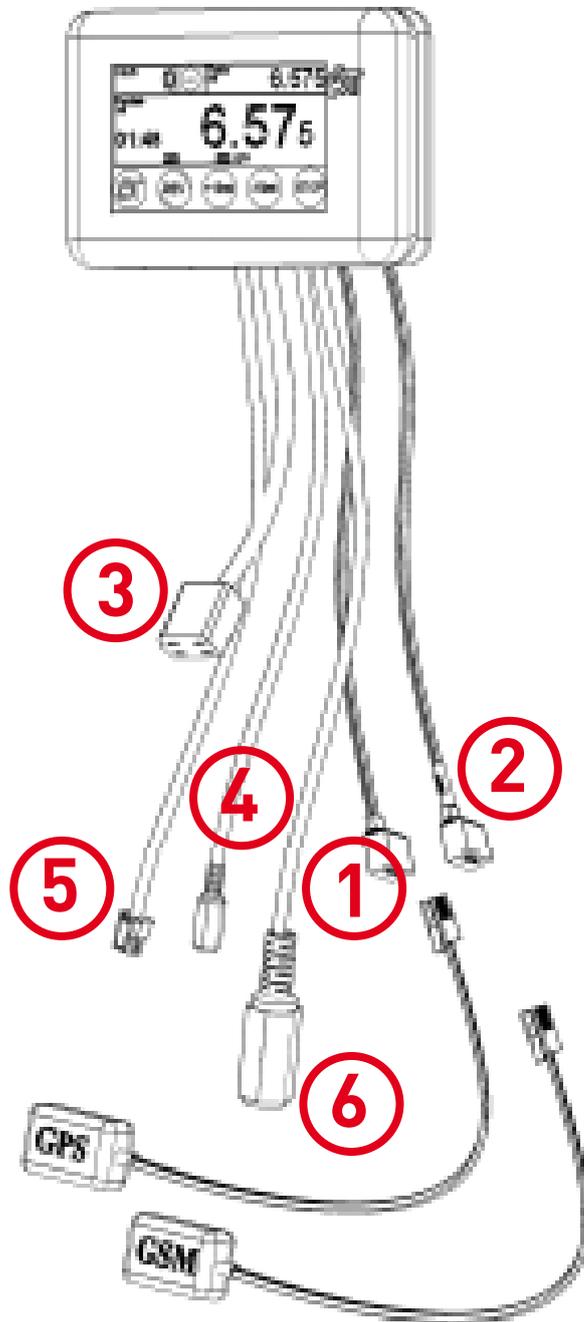
The package of the TRIPPO Touch (TR-SERIES 400) Includes:

- a. TR 400 SERIES
- b. 4-way case connector power supply
- c. 4 Male faston for power supply
- d. Case connector to 6-way for inputs
- e. Male faston for inputs
- f. Wired Reset



## The TR 400 series is equipped with 5 cables wired:

1. Cable for Connection TR30, GPS module (supplied on TR420 /440/460), with connector BT.
2. Cable for connection module GSM ( equipped on the TR460), with connector BT.
3. Power Cable with connector female steering wheel with 4 poles, with insertion key for Fast-on 6.3mm
4. Cable of the Reset with 3.5mm jack.
5. Cable inputs with female connector fly to 6 pin with key insertion and retention clips.
6. Cable connection for Remote Display pilot interface with jack to 6.4mm



## POWER SUPPLY

The connector of power , and connected to the following threads:

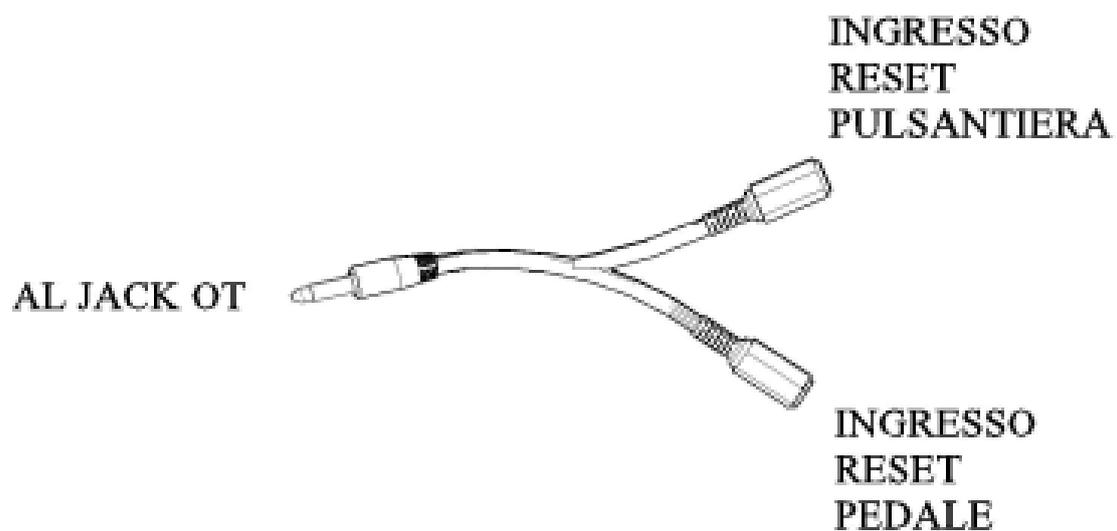
- **white** = positive + 12Vdc
- **brown** = negative -
- **yellow** = reverse
- **green** = odometer



In the package of the TR 400 SERIES, it is enclosed a connector to 4 conductors with Fast-on 6.3mm , for connection to the car system, (The connection will be performed by specialized personnel. Alterations of the original electrical car system could void the warranty of the manufacturer and are thus carried out under the full responsibility of the owner, OnTech will not be held responsible for any malfunctions resulting from these modifications).

## RESET

The reset TR 01 /02/03 , can be connected individually to the connector 3.5mm of the Trip, or in parallel to each other thanks to the use of a Y-adapter (available as an accessory).



## INPUTS AUXILIARY

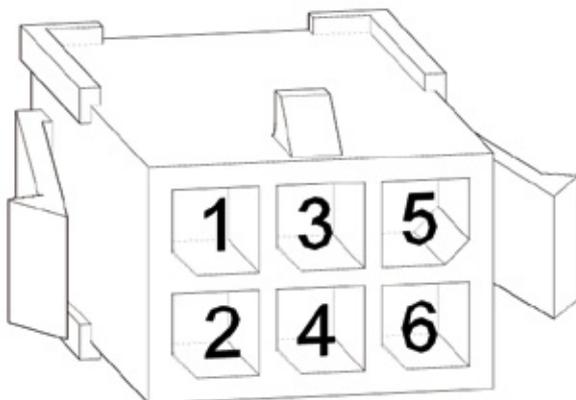
The sensor to the flow of the air filter (pressure switch TR50 available as an accessory), temperature bulb water, buzzer can be connected to the female connector steering wheel 6-PIN of TR.

A case of the male connector 6 pin and the related faston for the connection of the auxiliary inputs, are provided in the package.

The connector is labeled as follows to facilitate the connection:

1. Aux [+]
2. Aux [-]
3. +Buzzer outside
4. -Buzzer outside
5. Sensor flow air filter
6. Bulb temperature water or temperature switch NO with intervention temperature appropriate to the vehicle

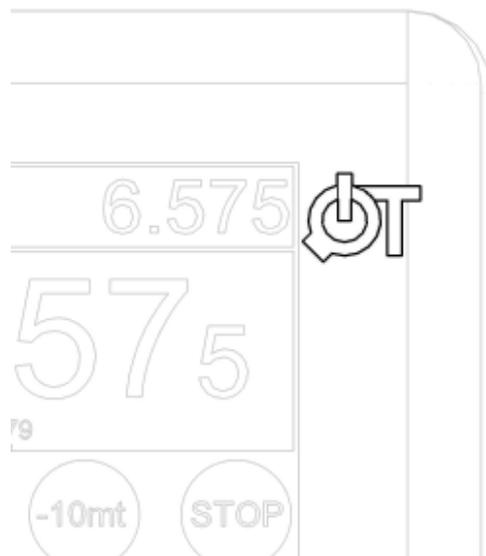
**ATTENTION** the wires of the buzzer and the AUX (relay), CAN NOT BE CONNECTED TO POSITIVE + AND THE NEGATIVE -



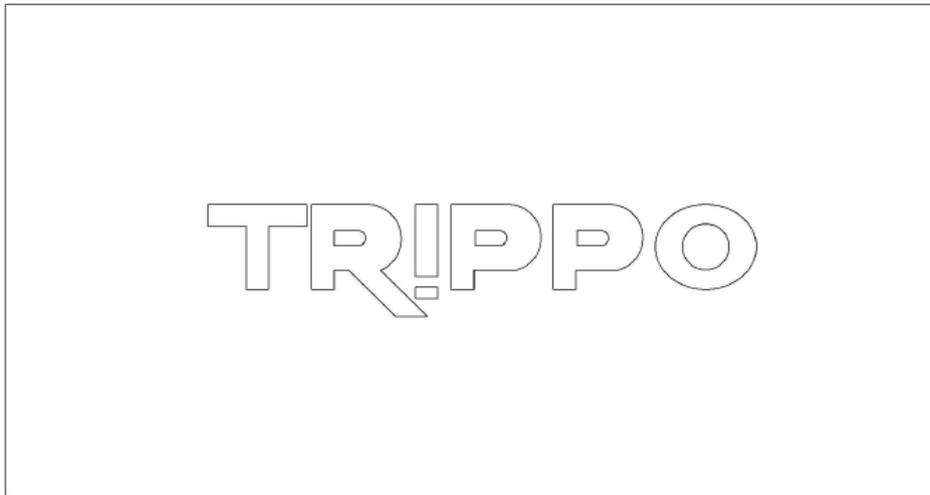
*SUPPLIED CONNECTOR*

## 4. THE START SCHEME

To turn on the TR 400 SERIES, and you must press the button power briefly (the top right as in the figure), to turn off press and hold the button until the appearance of the written "GOODBYE...".



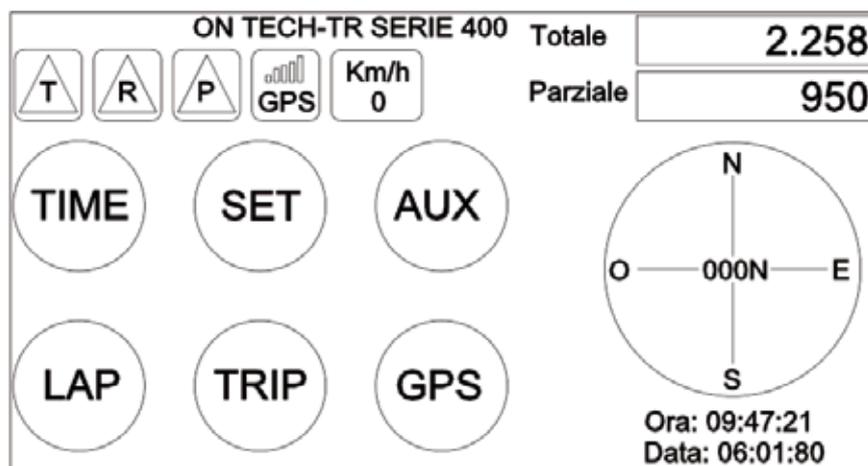
A few seconds after the appearance of the logo, you will hear a beep (if "BEEP" is set to ON)



After the welcome screen, you will open the one in which was the TR at the time of the shutdown (TRIP or GPS), or on the Home screen if you was in all the other.

Then you will see the screen Home with all the information from the inputs, the controls (TIME-SET-AUX-LAP-TRIP-GPS, km/mt PARTIAL AND TOTAL ). The compass, time and date (if present the GPS module)

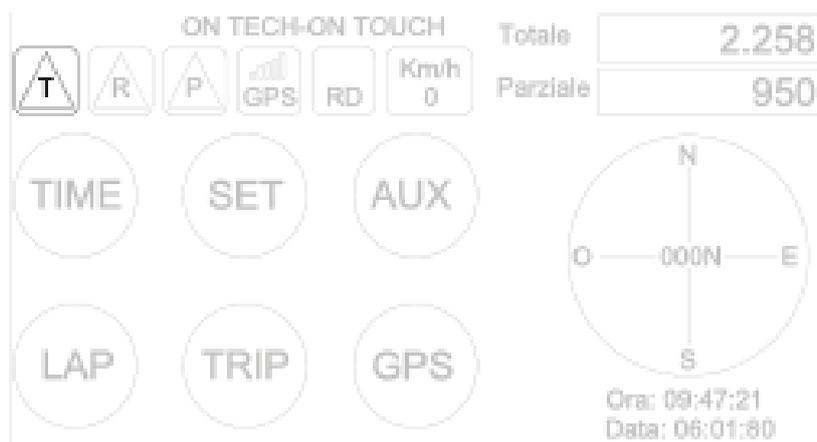
Home:



## 5. SIGNALS and INPUTS

The TR 400 SERIES, manages the detection and alarm inputs, simple but fundamentally important for the engine of the car as:

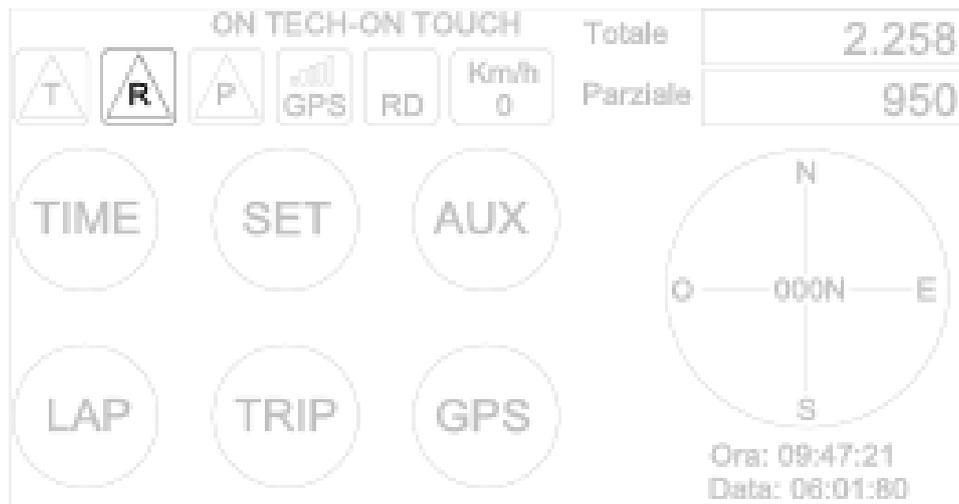
### TEMPERATURE LIQUID REFRIGERANT



A T inserted into a triangle identifies the sensor of the temperature of the coolant, the signal will come from the connection of the wire " 6" connector INPUTS to 6 poles (supplied), and the black wire (GND) connected to the bulb water temperature of the car.

At the moment in which the contact of the bulb is closed because of the rise of the temperature of the coolant, the TR on any screen is, back instantaneously on the Home screen with the symbol T red and the active buzzer in alarm mode. To silence the buzzer briefly press the symbol T.

REVERSE



A R inserted in a triangle identifies the signal of the reverse, the signal will come from the wire of the reverse of the car connected to the the yellow wire power connector of the TR.



At the time of the inclusion of the reverse the symbol will become red.

FLOW AIR FILTER



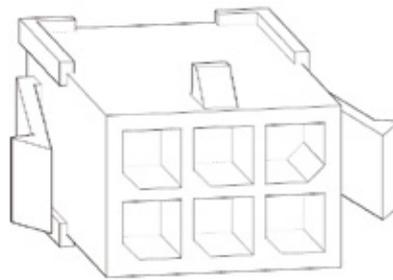
A P inserted in a triangle identifies the sensor of the flow air filter, the signal will come from connecting the wire flow signal " 5" of connector INPUTS to 6 poles supplied and the black wire (GND) connected to the TR module50 ( switch available as an accessory). The activation must be done by connecting the device TR50 to the connector adapter (supplied) in figure "A".

With the TR50 calibrated as per instructions attached to the Totani web site, when it detects a change in flow of air into the filter housing (due to sand, dust, leaves on the snorkel or for the presence of water), the TR SERIES 400

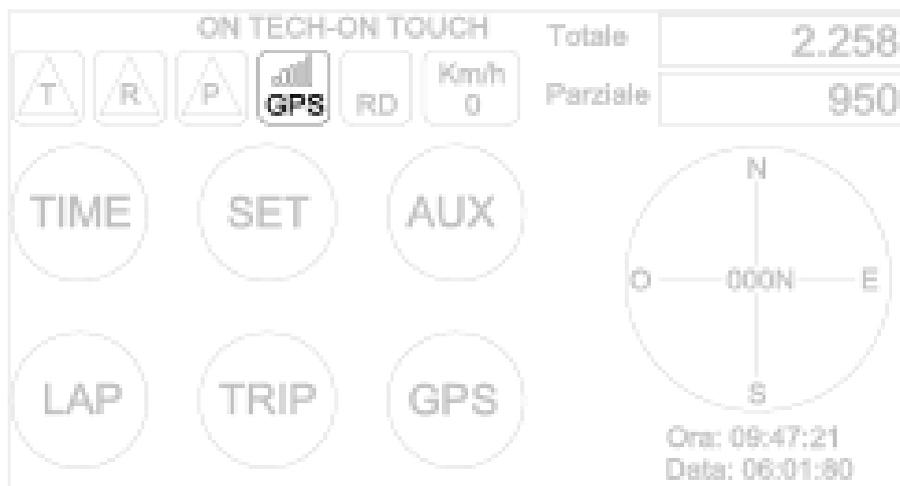


in any screen it is, it comes back instantly on your Home screen with the red symbol and the active buzzer in alarm mode. To silence the buzzer press briefly on the symbol.

FIGURE "A"



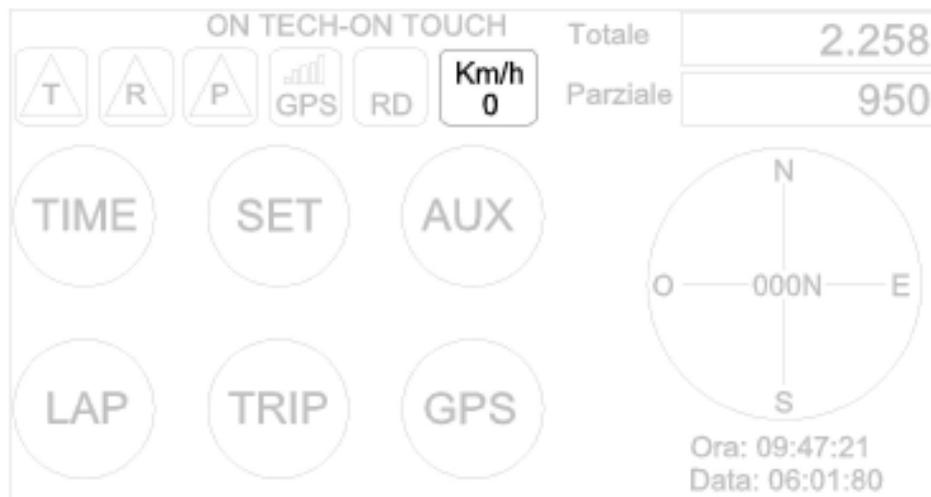
**GPS**



GPS Module present (serial in TR 420/440 and 460) and level indication receiving antenna.

When the module is present and the antenna receives, the symbol on the page Home indicates the level of GPS reception, from that moment the compass and the GPS functions listed below, will start operating.

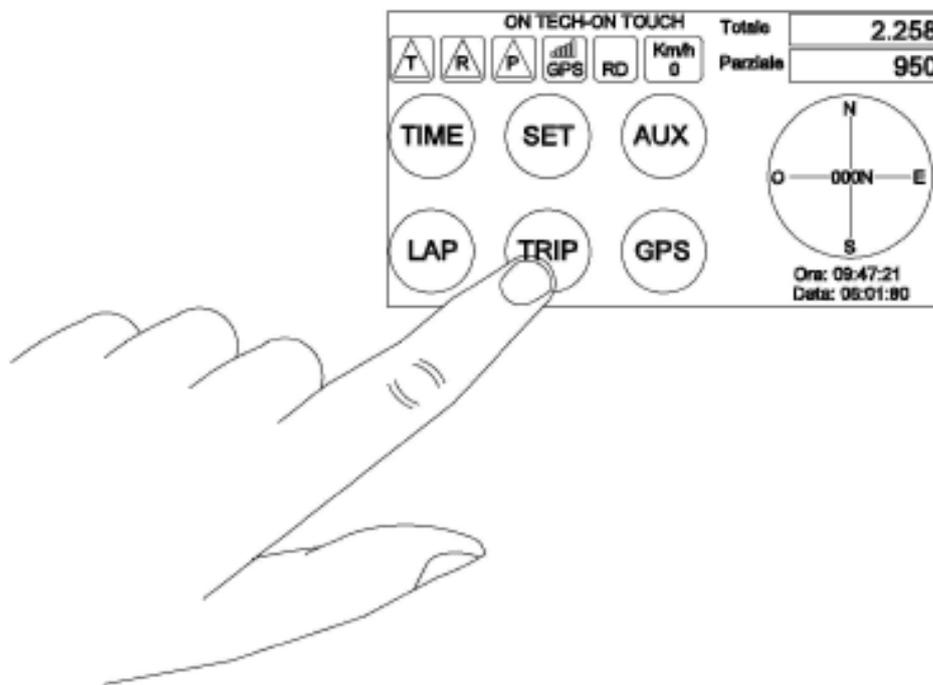
**KM/H**



By connecting the TR to the car, you will have the display of the speed in kilometers per hour.

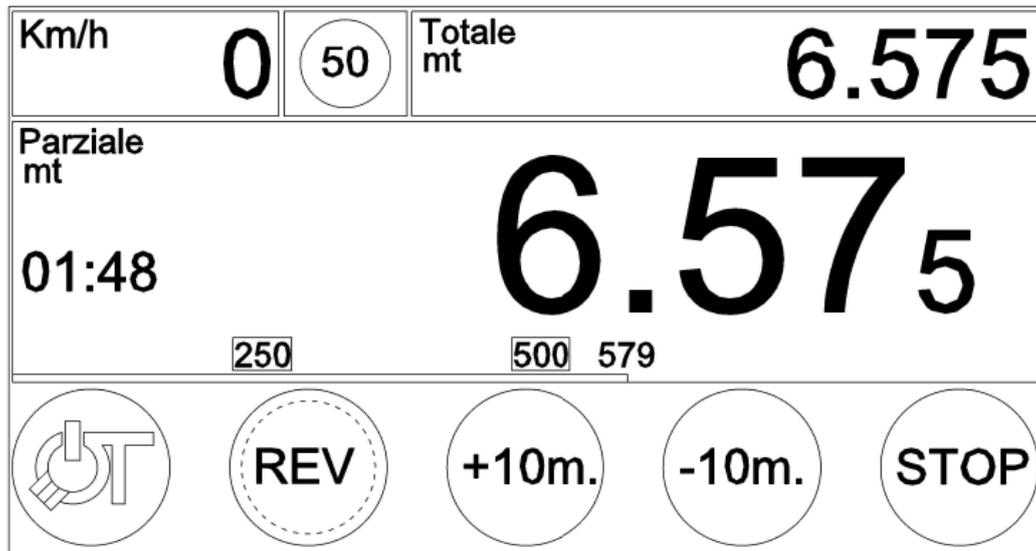
## 6. FEATURES TRIP

By pressing the key TRIP in screen Home you will get to the specific function..



The screen Trip has the following functions:

- > Km/h for the speed display (calculated in relation with the value of the calibration used)
- > Speed Limit to enter an alarm when you are close and overcoming of a given value (which can be set using a numeric keypad)

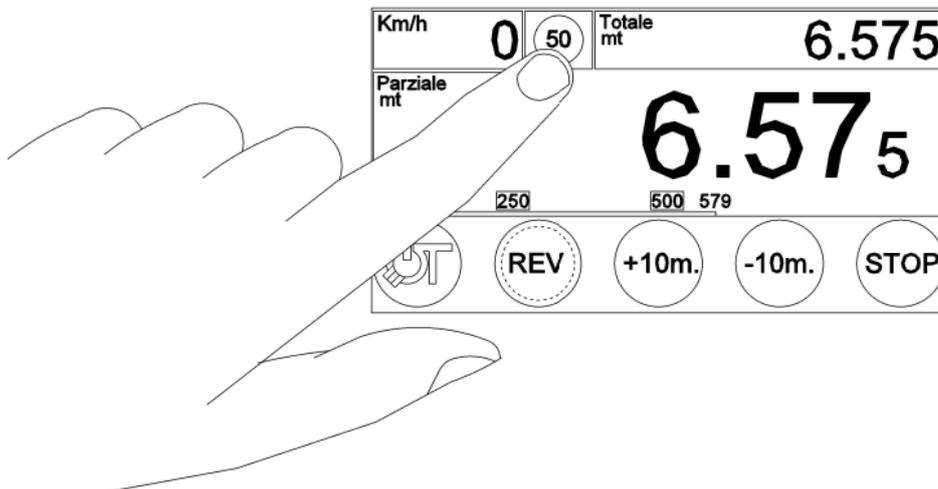


- > M/Km Total to display of the total meters driven, by pressing the digit you can reset the count, by pressing and holding you will open the numeric keypad to set a specific value.
- > M/Km Partial to display the meters partial driven pressing on digit and you can reset the count. The number of units is of a smaller size so as not to disturb the immediate understanding of the position, a sliding bar from left to right indicates the relative position on the km with markers every 250 mt.
- > Digital clock (if present the GPS module)

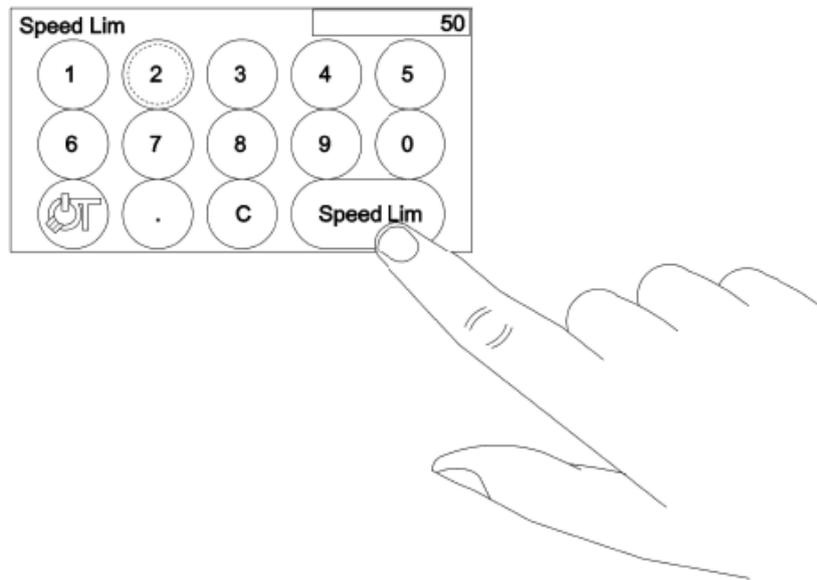
Detail of the functions:  
 DISPLAY SPEED IN KM/H (color green)



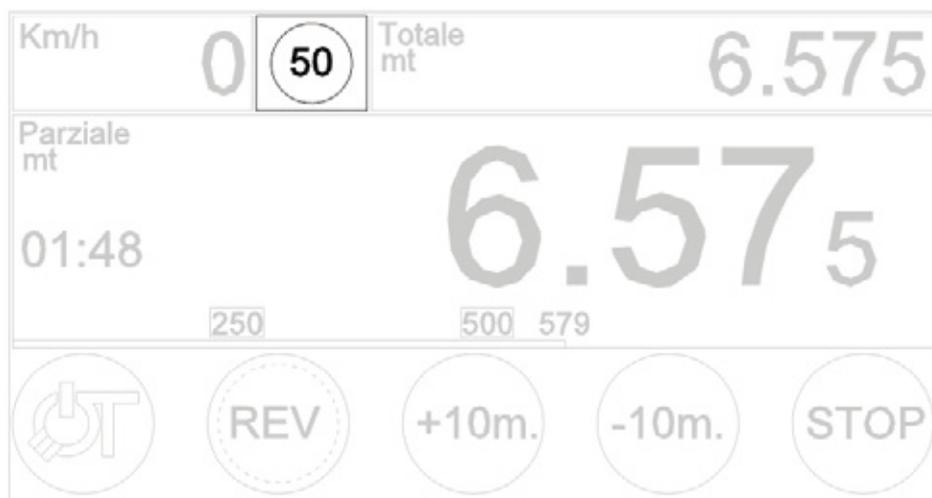
SETTING THE SPEED LIMIT (orange).  
 By pressing the symbol of the speed limit



You will access the keyboard screen where you can set a value for the speed limit.



By pressing Speed Limit, on the screen of the TRIP will appear the set limit.



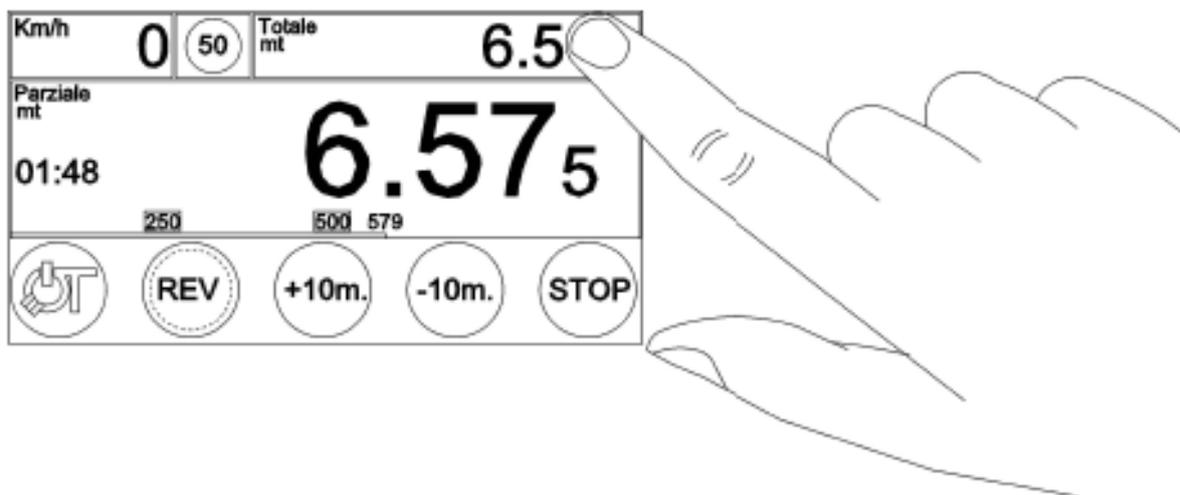
Five km/h before the set value, an audible signal at low frequency will warn of the approaching of the limit, while at the overcoming of it the frequency will be more intense.

To reset the speed limit, set 0 as speed limit.

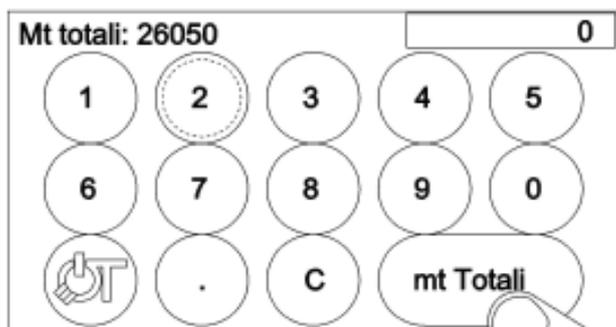
RESET MT/KM TOTAL (blue color).

By pressing the button for about 1 second on the figures of the meters total will be possible to reset.

By pressing and holding down on the figures,

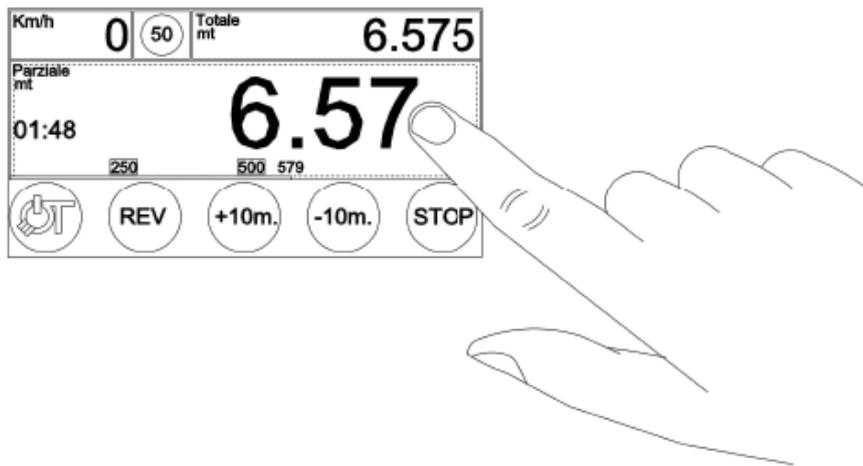


you will access the keyboard screen where you can set a new value.



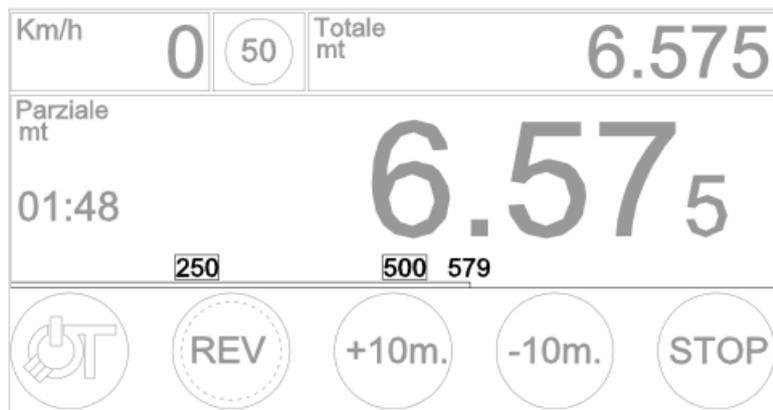
RESET MT/KM PARTIAL (red color).

By pressing the button for about 1 second on the figures of Partial meters will be possible to reset the read.



GRAPHICS DISTANCE 1000 mt (red color).

A red color bar progressively flow from left to right preceded by the number of meters relative to the km driven. A permanent warning every 250 mt will enable a quick understanding at a glance.



The reset can be performed also with the manual commands of the keypad (TR01), a pedal (TR02) and a fungus (TR03), with the help of 3.5mm jack (see point " 4" in 3.CONNECTION of the manual)provided and the Y-cable to connect two reset (accessory).

DIGITAL CLOCK (Green color).

In the case were the GPS module is present (included in TR 429/440 and 460), a digital clock of large size will be present on the left side of the screen.

REV BUTTON (red color).

The REV button reverses momentarily the direction of count, when pressed the button will flash to warn of the current status and the written REVERSE will appear in the respective colors in the boxes of the total and partial meters.

The same function will be activated by the insertion of the reverse in the case in which this is connected to the cable from the power connector.

BUTTONS +10mt and -10mt (blue color).

The pressure of these buttons will increase or decrease the value of the meters Total of + or - 10 mt.

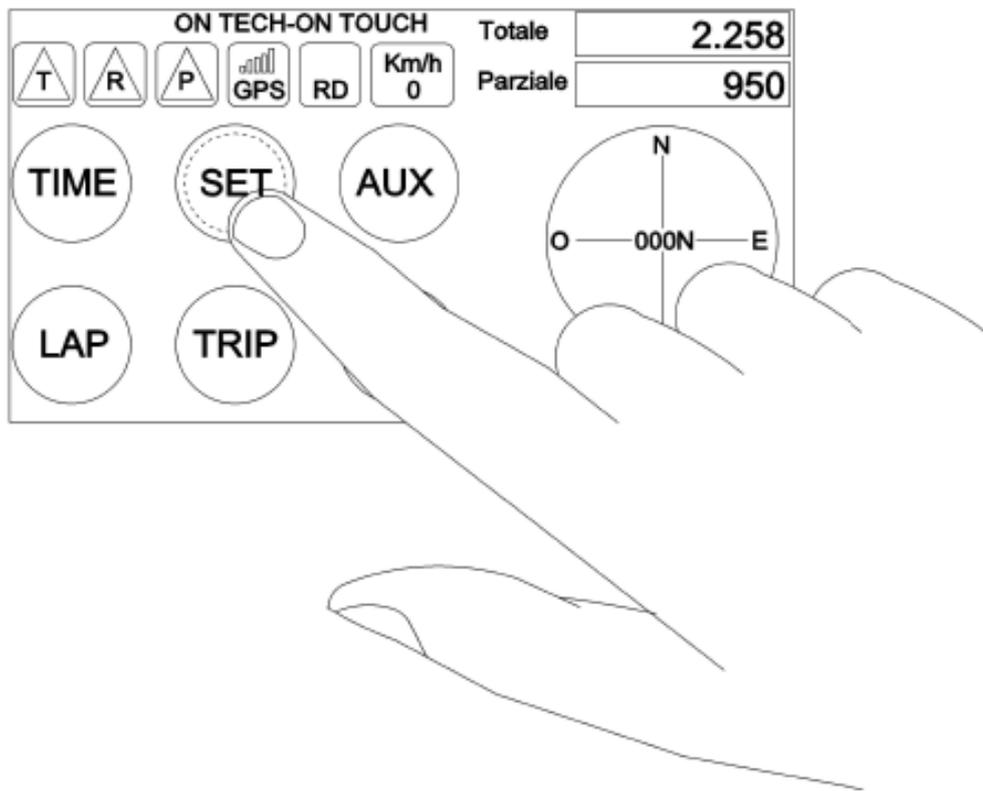
STOP BUTTON (dark red).

Pressing this button locks the readings of the odometer signal (in the case where the wheels dared to empty).

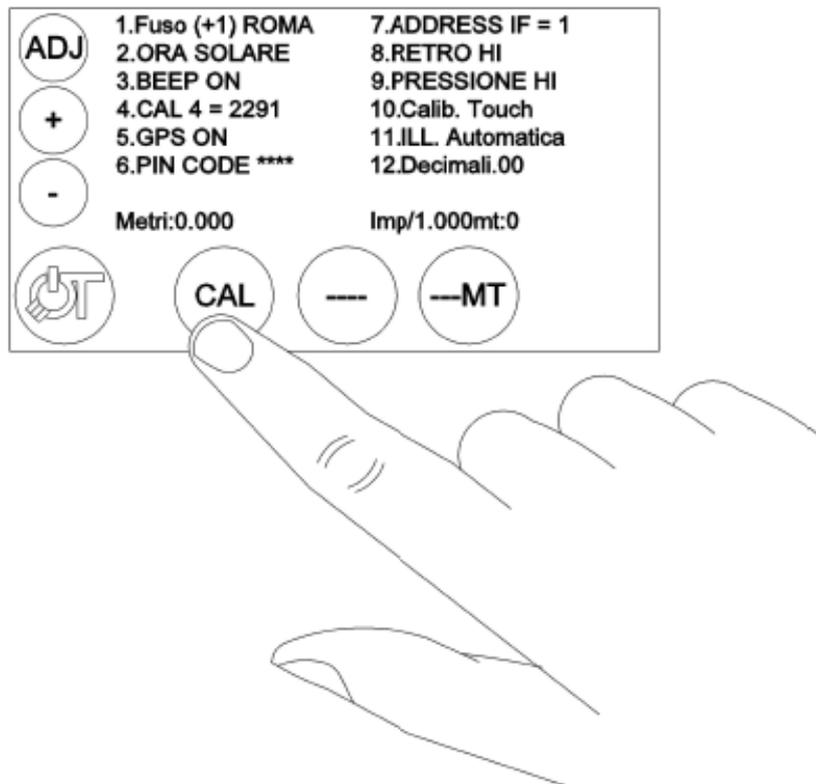
The STOP sign in the window of the total and partial meters warn you that the function is inserted. To restart the count press the button again.

## 7. CALIBRATION

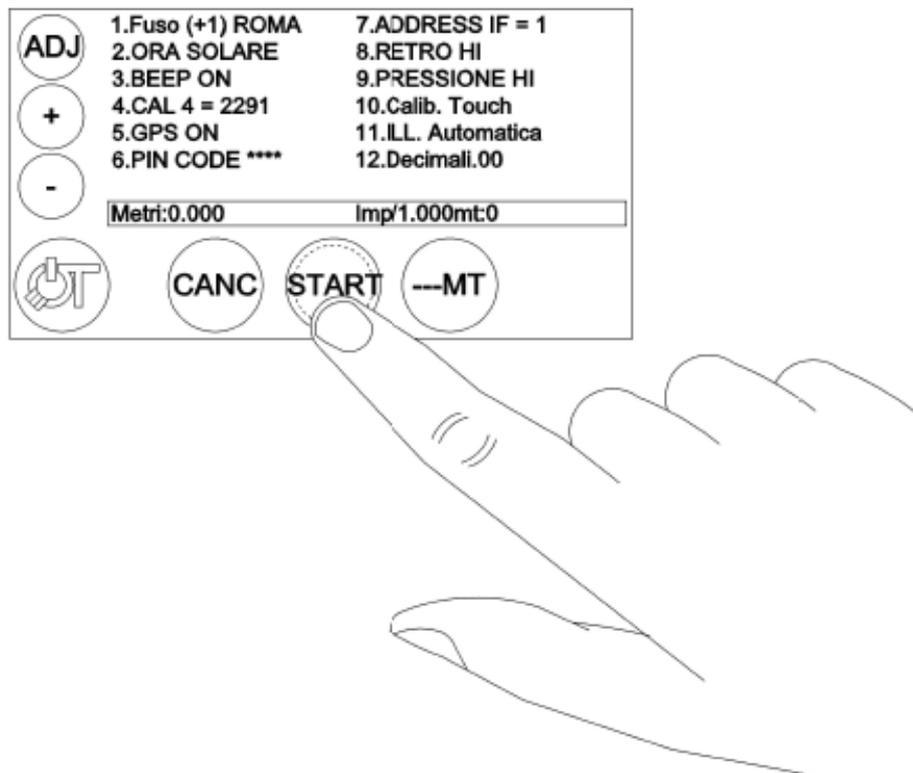
To carry out the calibration of the TR series 400, press the button SET (setting) on the Home screen.



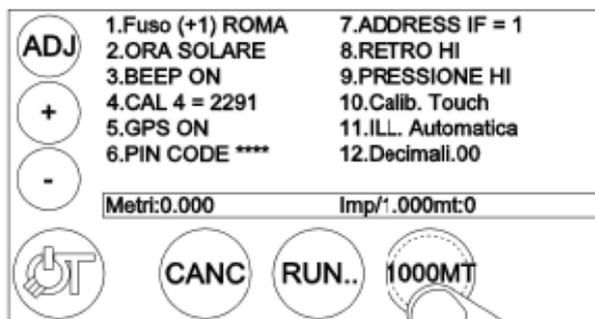
Then press on the written 4. CAL to highlight it and the + or - buttons to choose which of the 8 calibration values change.  
Then press the CAL button (calibration), to begin the procedure.



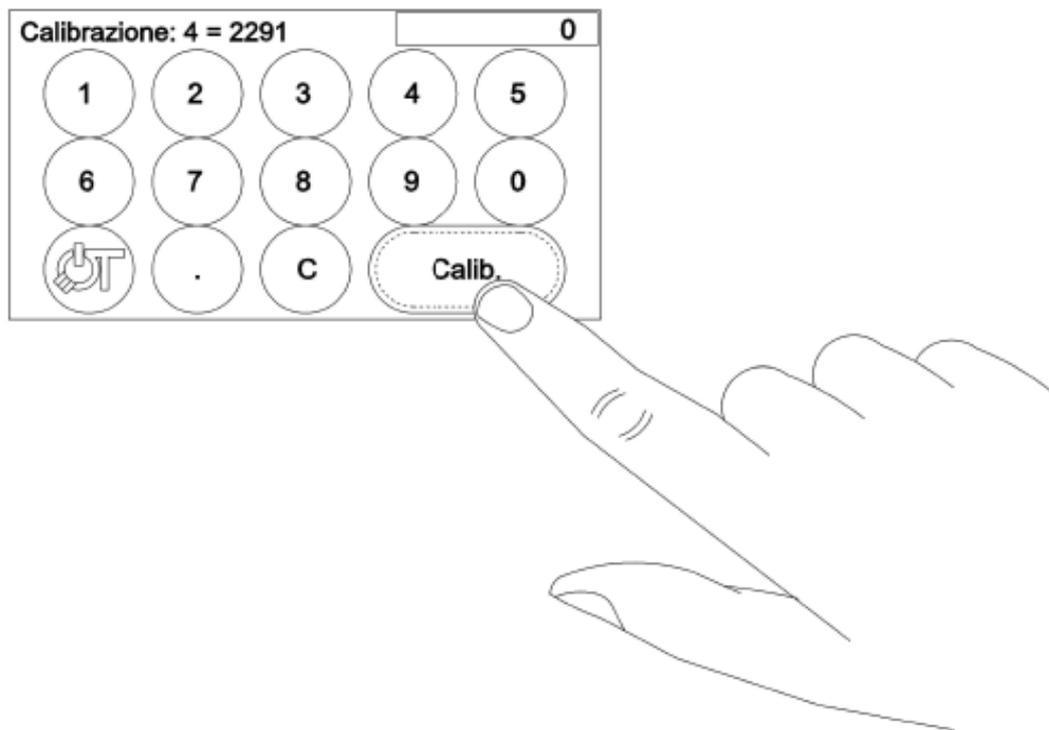
Go with the car on the initial point of reference equivalent to 0 mt, or reset the trip odometer of the car.  
Press START and go for 1000 mt.



Completed the 1000 mt, press the button 1000MT, to store the value of odometric pulses received.

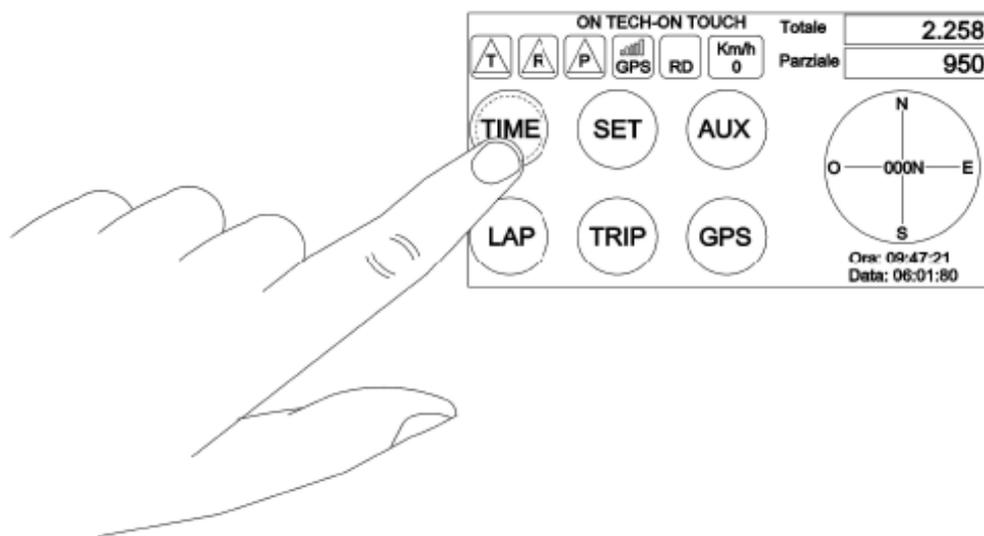


Walk a km to ensure that the calibration has performed well, otherwise on page SET, press on the menu 4 to highlight it, select the calibration value to correct with the + and - keys and then press ADJ. Correct with the numeric keypad of the pulses stored by incrementing or decreasing it.:

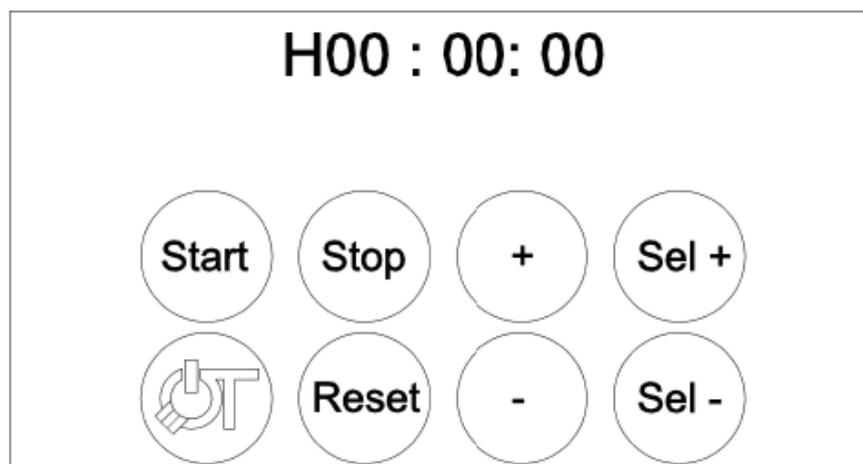


## 8. TIME FEATURE

By pressing the key TIME in screen Home,

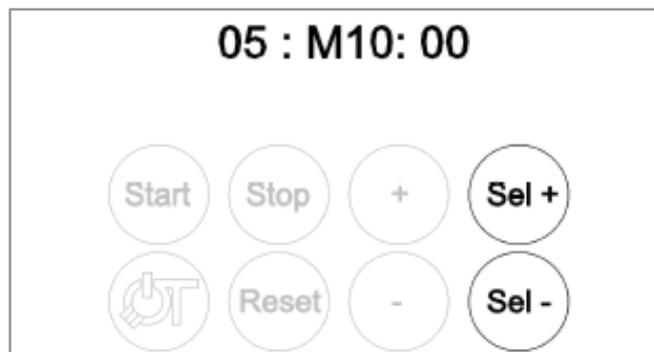


It enters the TIME window setting

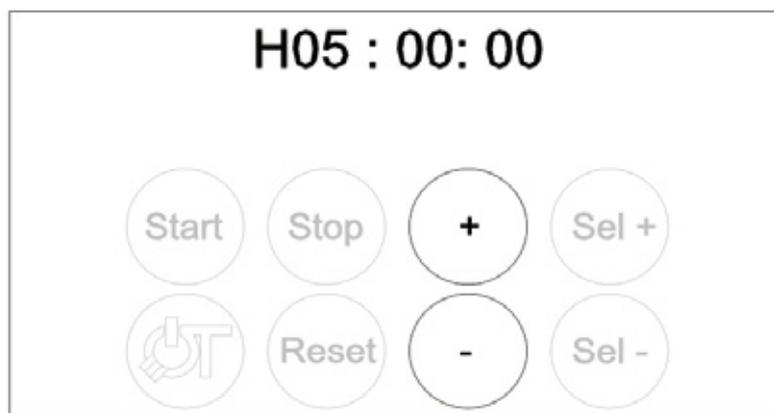


By pressing the buttons + Sel and Sel -, you select the unit of measurement to set:

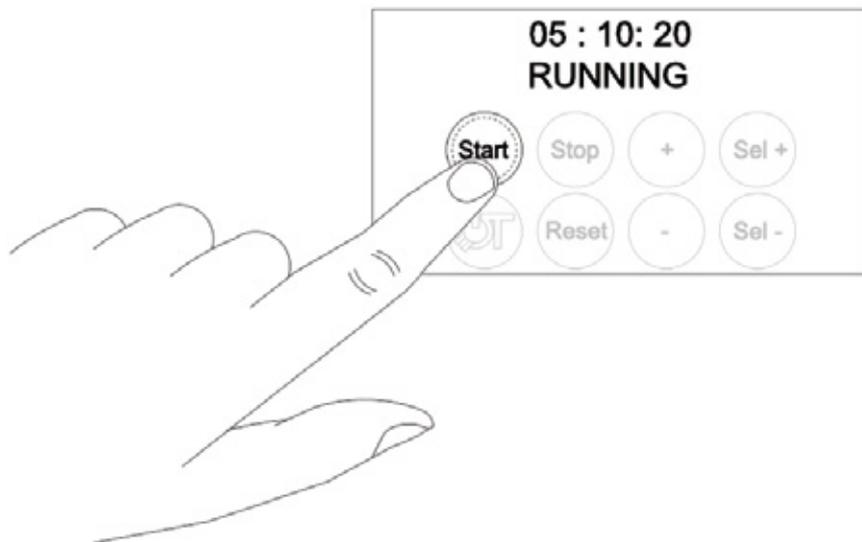
- Hours
- Minutes
- Seconds



By pressing the keys + and -, you set the desired values of each units of measurement.



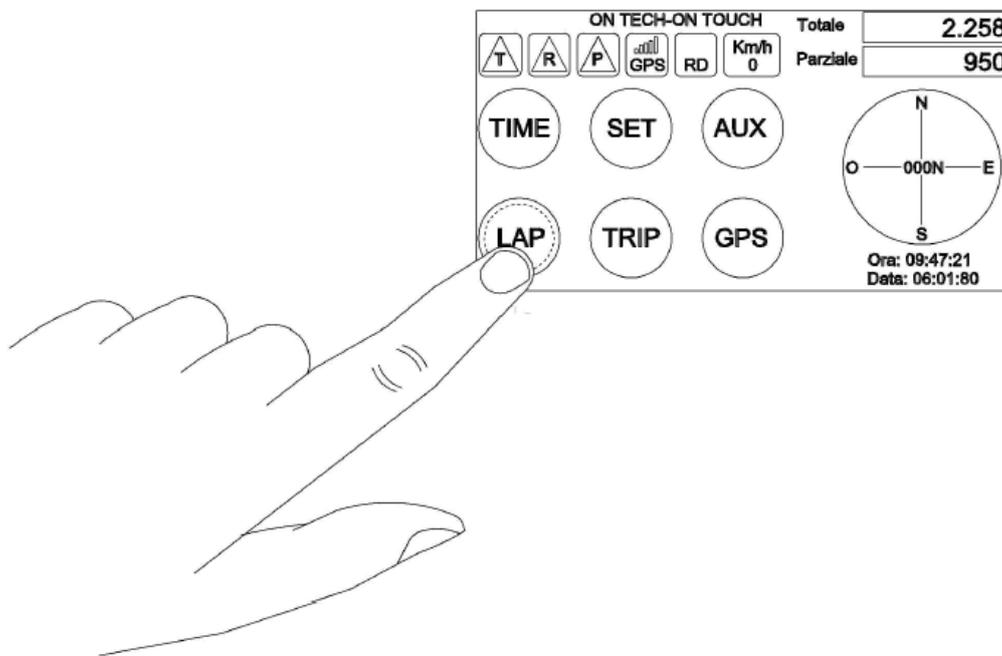
Once all values are set, you press the button Start and start the time measurement.



If necessary press the buttons STOP to stop time, and RESET to reset.

## 9. LAP FUNCTION

By pressing the LAP in screen Home,

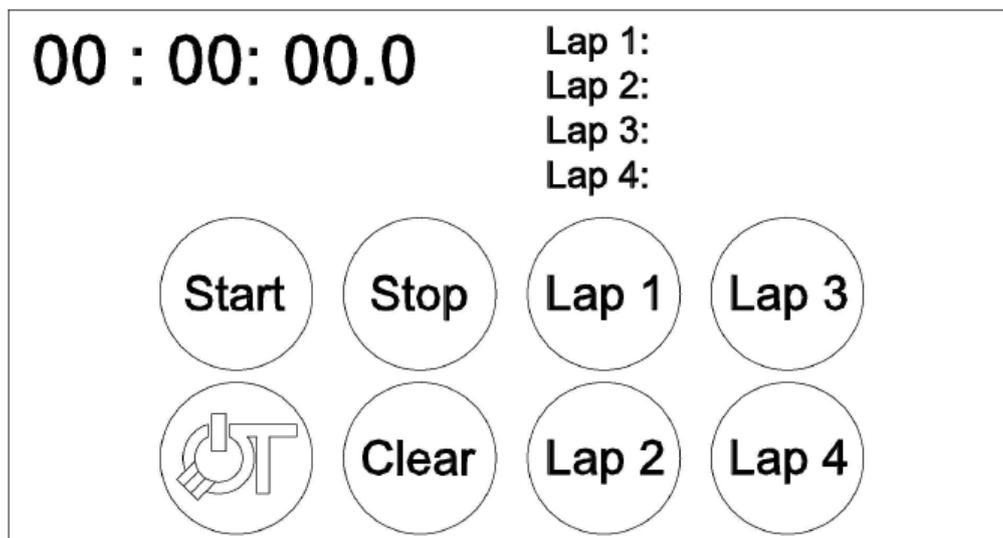


It enters the window setting LAP

By pressing the START button will start the time trial.

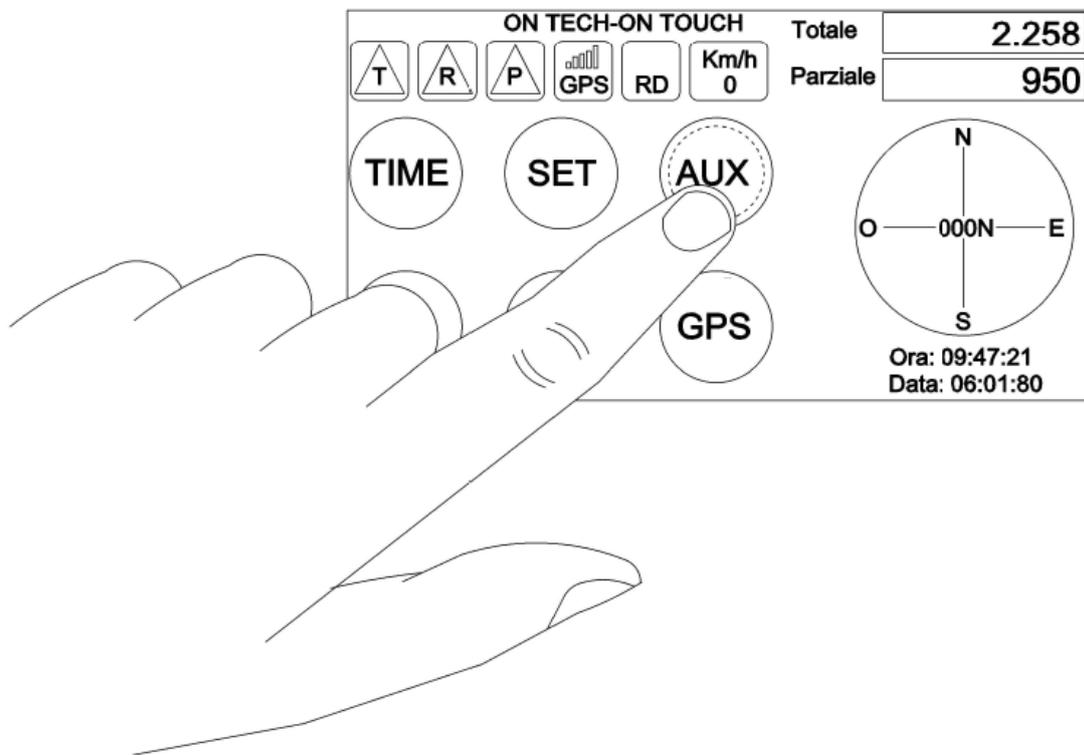
During the test, by pressing the buttons LAP 1, LAP 2 AND LAP 3 and LAP 4, highlights the time interval.

By pressing the STOP button the chronograph is stopped and with the CLEAR button will erase all of the values.

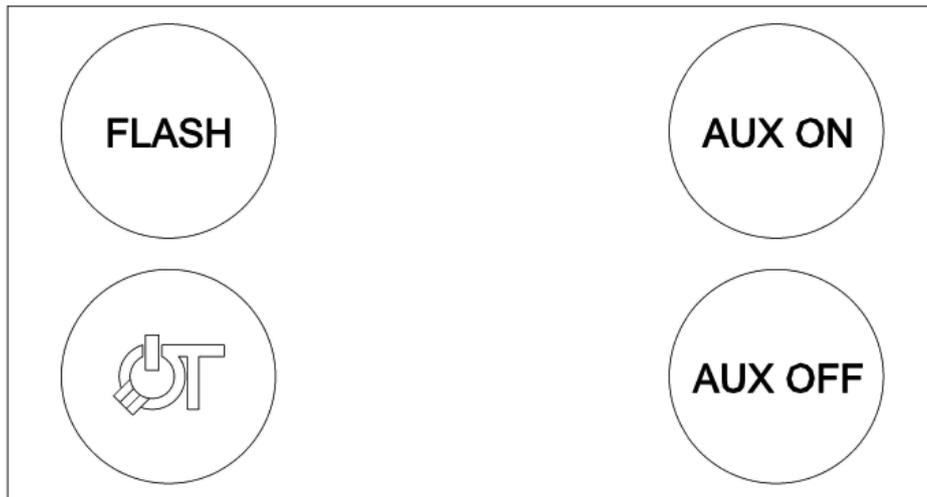


## 10. AUX FUNCTION

Pressing the AUX button on the home screen,



It enters the AUX (AUXILIARY DRIVE) screen, which is useful to be able to control, by means of a suitable electrical system, tools like lights etc.

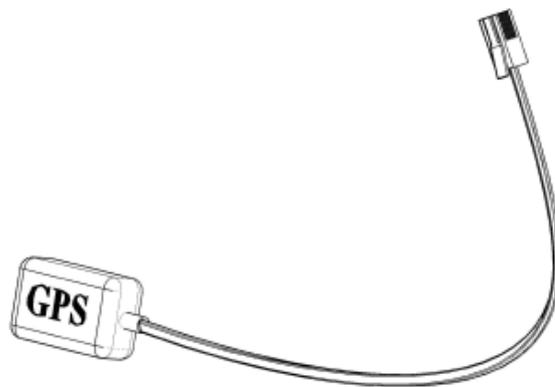


The functions of the buttons are the following:

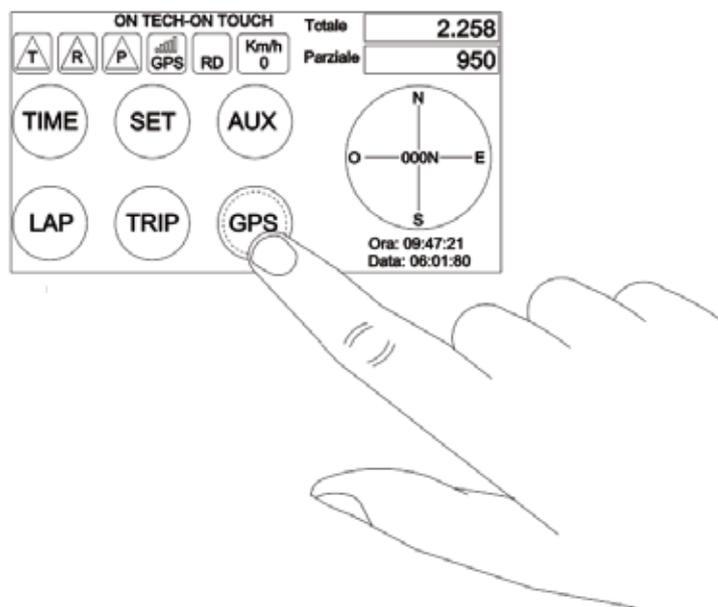
- The AUX button turns lights ON,
- The AUX button turns lights OFF,
- The FLASH button turn it on until it is pressed, turns off as soon as you leave.
- The button  returns to the home menu

## 11. GPS FUNCTION (TR 420/440/460)

Connect the GPS module TR30 (FIGURE "A")  
FIGURE A



By pressing the button in GPS screen Home,



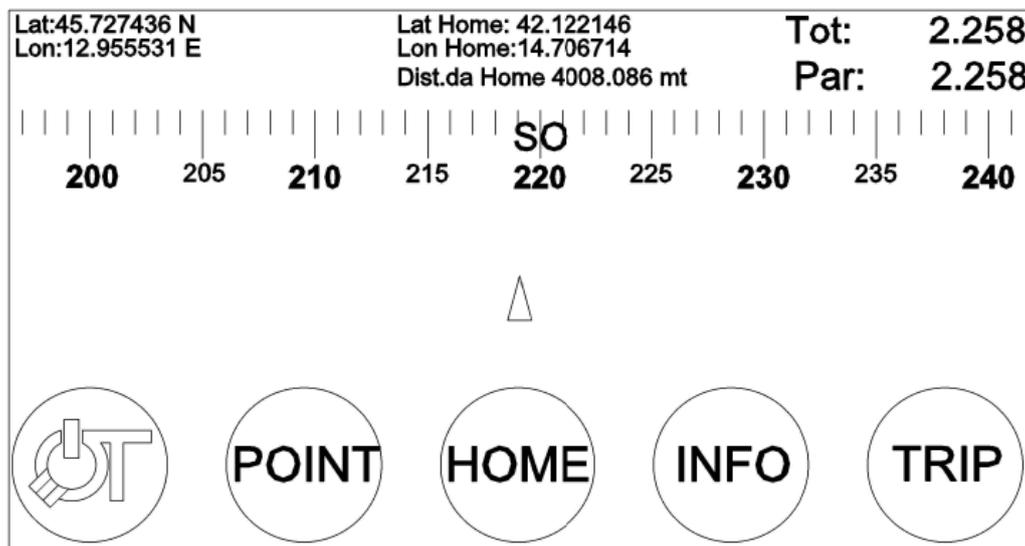
You enter the main screen of the GPS.

On the left in blue color are displayed the latitude and longitude information current.

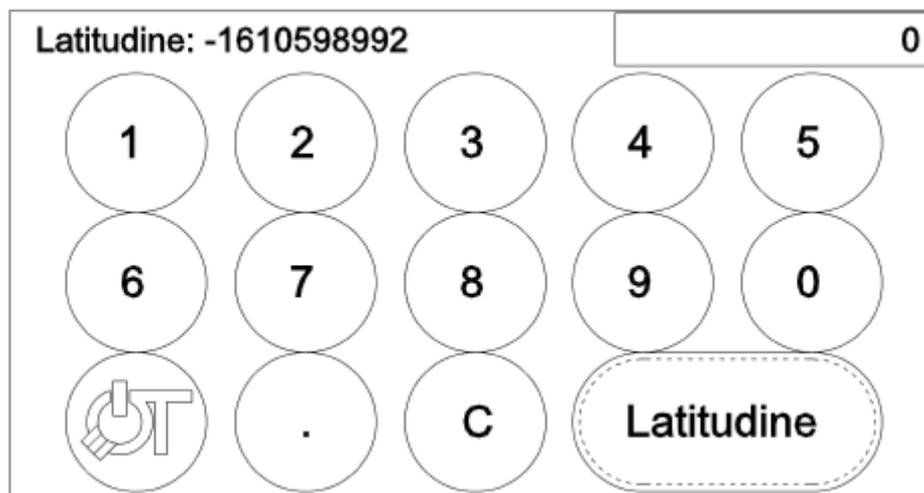
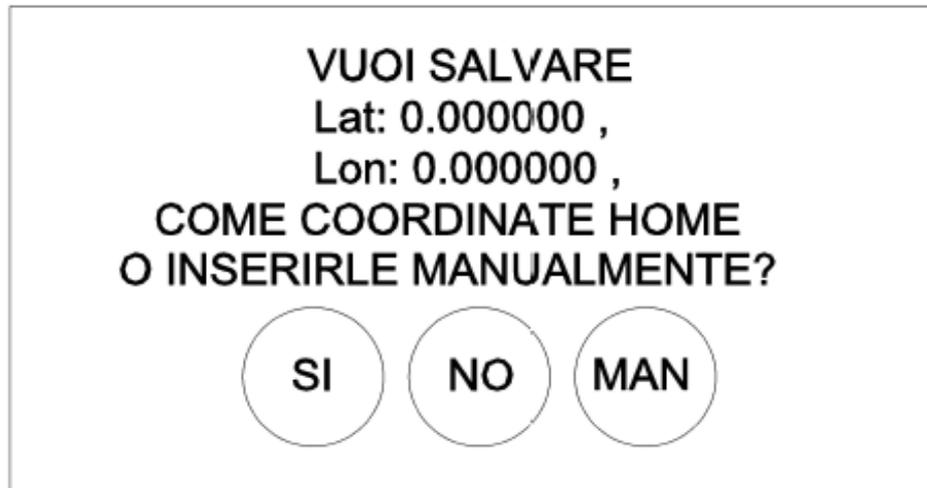
At the center in red color the latitude, the longitude of the base point Home and the relative distance from it.

On the right in Blue the meters Total and in red partial ones.

Just below you can view the compass with the degrees horizontally sliding and at the center the direction of travel (220° South West)



Pressing the HOME key takes you to the screen to store the current position such as that of the base point (or insert a via the numeric keypad)



To set negative values with the keyboard, you must proceed in the following manner:

- For longitude it is necessary to add 180 to the value to be applied
- For the latitude it is necessary to add 90 to the value to be applied

Pressing the info button leads to a summary screen of data from GPS module. There is a histogram with the number of satellites received the signal quality.

Lat: 45 43'6468" N , Lon: 012 57'3343" E  
 Pos. 12.955573 , 45.727447 - Direzione: 130SE  
 Ora: 14:28.20- Data: 03:11:12 - Altitudine: 40M - Sat. in vista: 11  
 Sat: in uso 7 - Pwr: 15 dB - A.3  
 UTC: 13:20:20 + Summertime 0 + Fuso (+1)ROMA  
 \$GPGGA,132820.000,4543.6468,N,01257.3343,E,1,7,1.21,-6.2,M,  
 \$GPGGA,A,3,19,03,06,11,32,28,22....1.49,1.21,0.87\*05  
 \$GPGGV.3,3,11,18,19,051..16,10,194,,28,28,08,331,20\*47  
 \$GPGGRMC,132820.000A,4543.6468,N,01257.3343,E,0.22,130.01  
 Metri 0.000 impulsi/1000mt 0

	19	03	22	06	11	14	01	32	18	16	28				
	27	30	18	30	00	22	27	30	27	30					

The pressure on the key TRIP takes you immediately to the page without going to Home  
 The button LOGO: back to menu Home.  
 By pressing the button POINT, we enter the screen for the Way Point acquisition and their graphical representation.

“TRACE”

Zoom 500 - WP n.29/500 - Step 100 mt

	START	LOAD	MEM 1	Z auto	Z +
	CANC	SAVE	MEM 2	Step L	Z -

To return to the previous screen press the button LOGO  
Description of the functions "POINT":

**-START:**

By pressing START, you start the acquisition of Way Point. The text of the button will change to STOP (press to stop the acquisition).

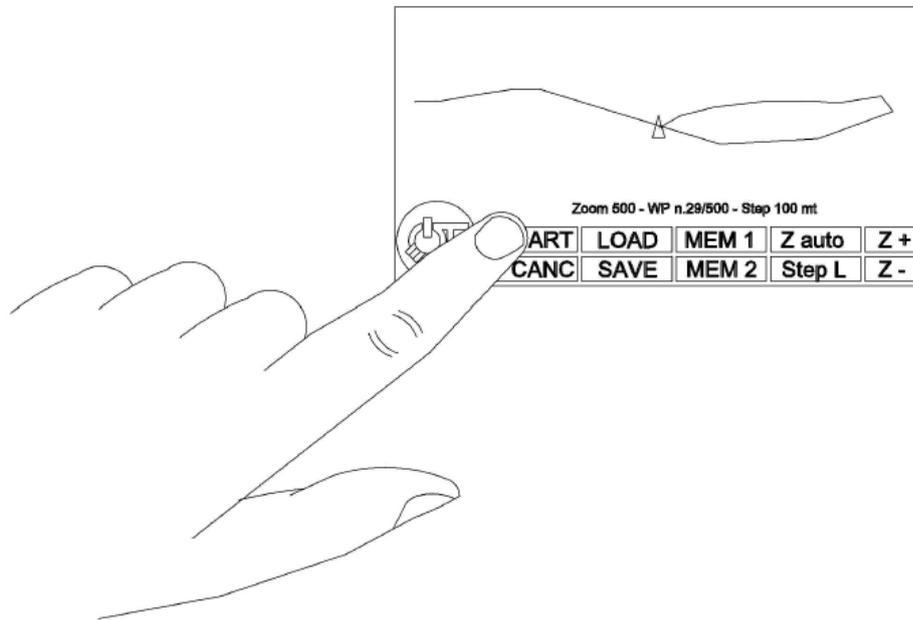
The acquisition frequency is determined by the state of the "Step" button and it will be every 100 mt if "Step L" or every 1000 mt if "Step H".

The first point acquired will be highlighted by a small green circle, while the last point of a circle of magenta color.

As the Way Point will be acquired, the design of the route will begin to emerge and will orient itself according to the value of the direction of travel detected by GPS module.

The limit of Way Point that you can acquire for a single memory and 500 which correspond to a path from 50 to 500 km in function of the state of the value of step set.

During a route, you can vary the value of step (for example by placing Step H on motorway itinerary where does not require great accuracy and Step L for roads where there will be a need for more definition)



- DELETE:

Command to clear the itinerary.

- LOAD:

Command to load the route previously saved.

If you hold the LOAD button, you will see the DEMO written in green color, In this mode, you can view stored routes outside of the reference grid (50x40 km) on the current GPS location

- SAVE:

Command to save the trace route.

- MEM 1:

Command to save or load a first route, in the first case, a complete path, you press the Save button and then MEM 1, in this way you will save on MEM 1. In the second case, if you want to load the route previously saved, you can press the button LOAD and then MEM 1, by doing so on the screen will be recalled a path with x WP.

- MEM 2:

Command to save or load a second route. In the first case, once a route is completed, you press the Save button and then MEM 2, in this way you will save on MEM 2. In the second case, if you want to load the route previously saved, you press the LOAD button and then MEM 2, by doing so on the screen will be recalled a path with x WP.

- Z car:

Command to set the auto zoom, in a progressive manner how to perform a route, the command allows you to get always the view of the latter on the screen, without losing the total view.

- Step L:

Command to set the way point mode count on a distance in meters, settable 100mt or 1000mt.

The command allows you to decide if you acquire a WP every 100 or 1000 mt example, if the STEP is set to 100 mt and it performs a route (see figure "TRACCIATO") downloading 29 WP, the instrument display that you have run for 2900 mt, a WP every 100mt .

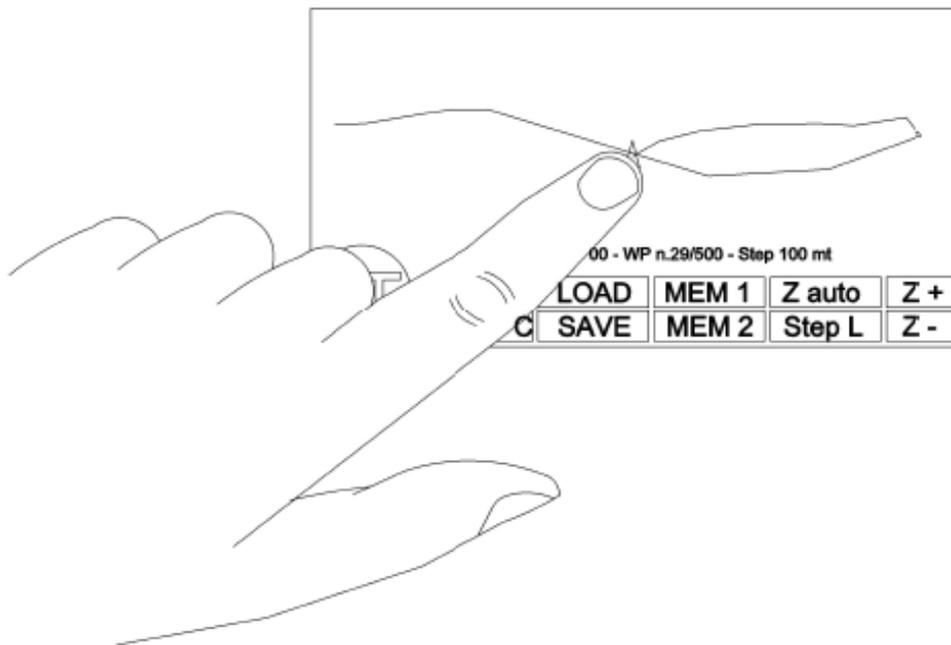
If the STEP is set to 1000mt and you run a route by downloading 29 WP, the instrument display that you have run for 29000 mt, a WP every 1000mt.

-Z+ :

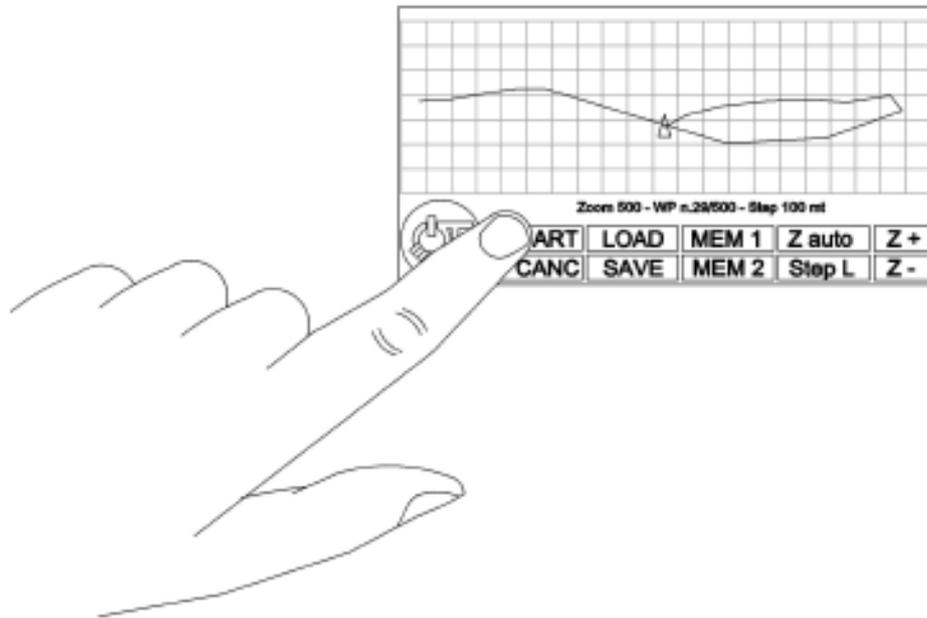
Command to move the view closer on the screen, the more times you press, the more you get a magnification of the route.

-Z- :

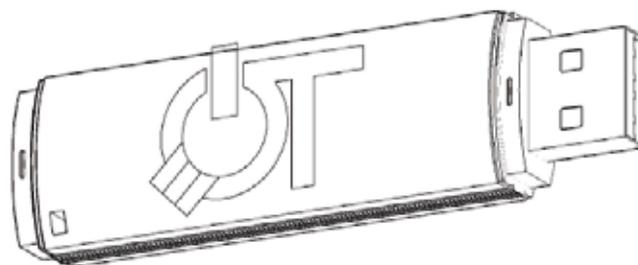
Command to move the view far from of the route on the screen.  
By pressing the triangle of compass direction on the screen,



the grid is activated.

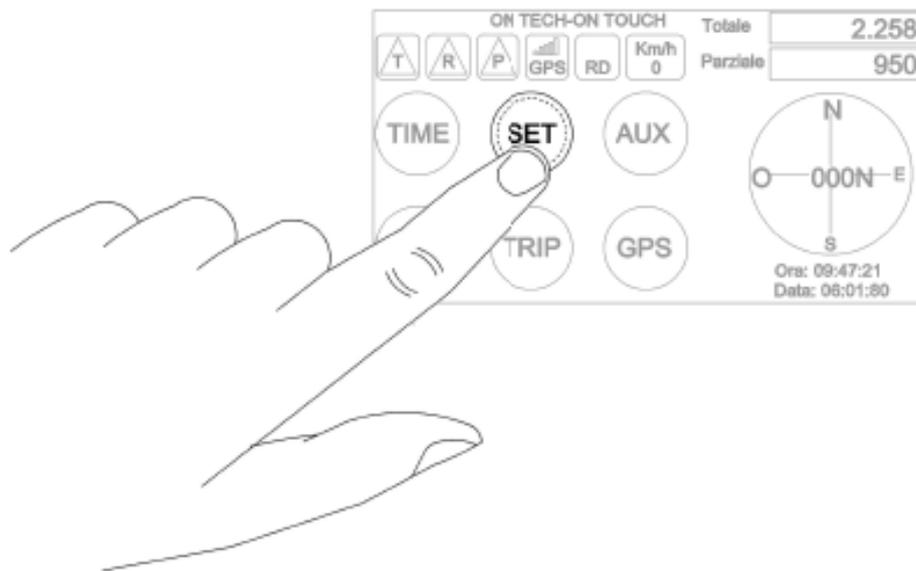


Routes data can be sent to program TR 60 or received from this. The program TR 60, allows you to save the received route in KML format for later viewing in Google Earth or in PLT format compatible with Ozi Explorer. Vice versa it can load routes in these formats and send them to TR 400 SERIES where you can store them in one of the two memories and use them as a guide. For the transmission of the data from TR SERIES 400 to your PC and need a USB key with a radio module on board.



## 12. FEATURE SET

By pressing the key GPS on the home screen,



It enters the screen of the settings SET, with 12 points of information and parameters to set.

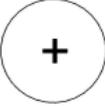
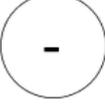
By clicking above each of the 12 points, until it is highlighted the writing, you set the values as follow :

### 1. 1 Zone (+1) ROME

Sets the time zone UTC

### 2. NOW SOLAR

Sets the time solar/Legal

	1.Fuso (+1) ROMA 2.ORA SOLARE 3.BEEP ON	7.ADDRESS ID = 1 8.RETRO LOW 9.PRESSIONE LOW
	4.CAL 4 = 2291 5.GPS ON 6.PIN CODE ****	10.Calib. Touch 11.ILL. Automatica 12.GSM ON/OFF
	Metri:0.000	Imp/1.000mt:0
		
		

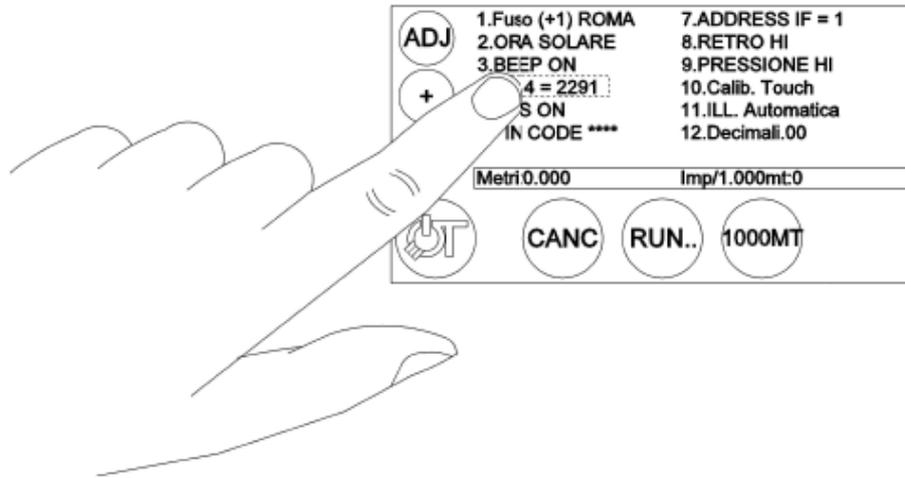
**3. BEEP ON**

Enables/disables the buzzer, for the actual activation of the command button pressed

**4. CAL 1=0**

Recall the previous calibration saved. It is possible to make 8 different types of calibrations, this is to allow the user to be able to store the calibration according to a possible change of tires or vehicle.

In the case where you want to change the value of the pulse of a calibration, you can click on calibration choice, click the ADJ button change the value and give confirmation (SEE POINT 7. CALIBRATION)



**5. GPS ON**

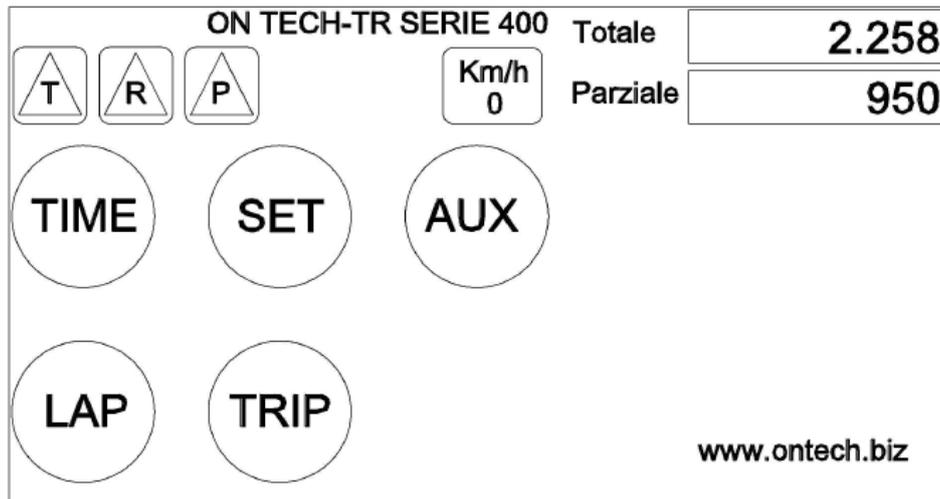
Enable or disable the GPS function (present in TR 420 /440/460 ).

If disabled, by pressing above GPS appears a keyboard to enter an activation code of six digits (default 123456).

When the GPS is not active, it is displayed GPS NOT PRESENTE and on window HOME, and the commands and information relating to your GPS are excluded.



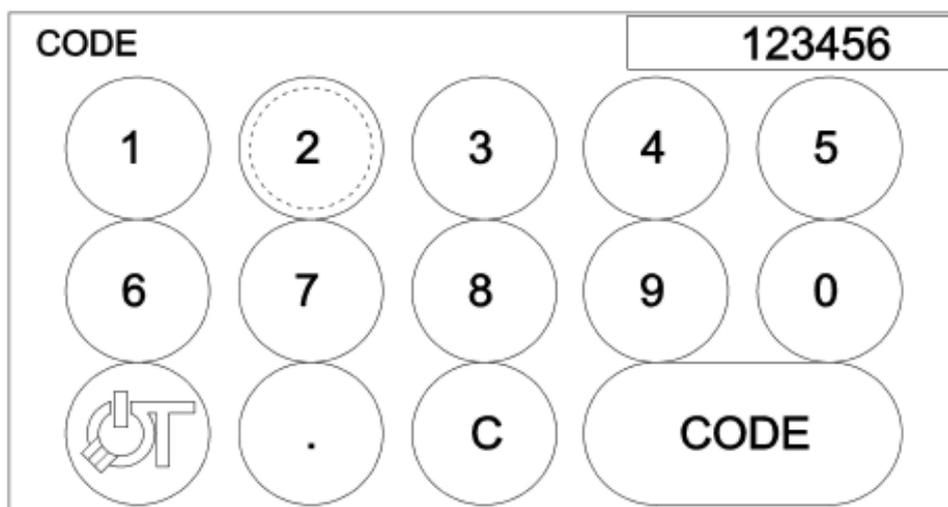
**Home:**



It is possible to insert the function AUTO GPS (from GPS ON press + ). When this mode is active the Trip counts the run meters using the GPS. As soon as it feels a lack in the count from the Odometer input (for a breakage of the controller or of the chord of the odometer) immediately it uses the data from the GPS antenna. The accuracy of this service is not high and it depends on the signal coverage, and is therefore to be understood as emergency system.

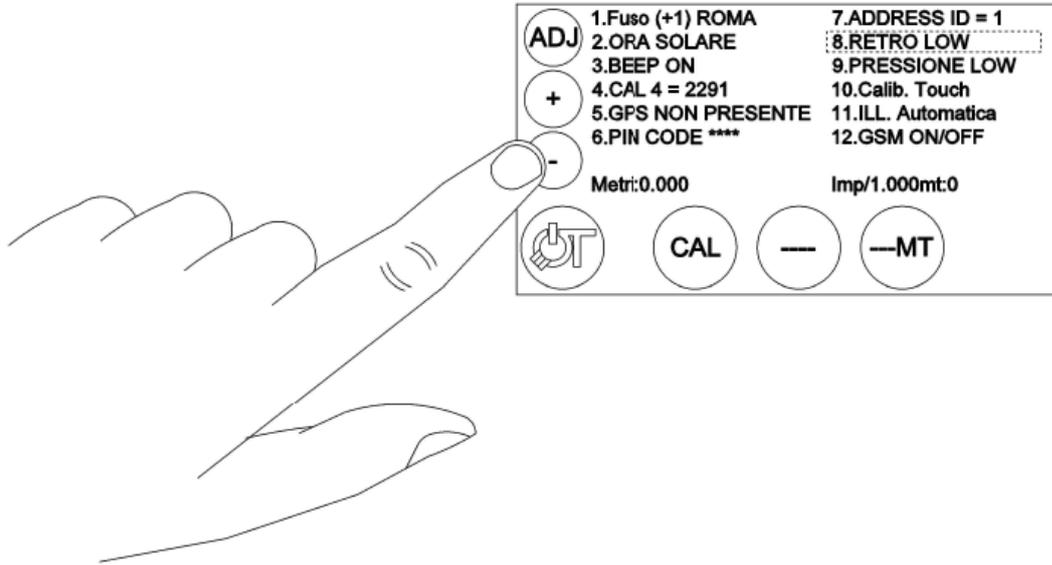
## 6. PIN CODE\*\*\*\*

Recall the window to set the pin code of the GPS



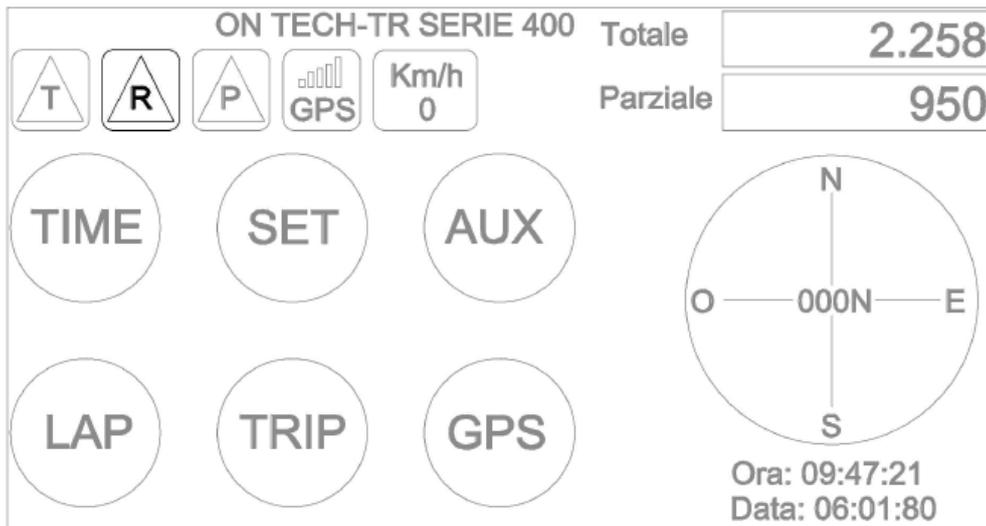






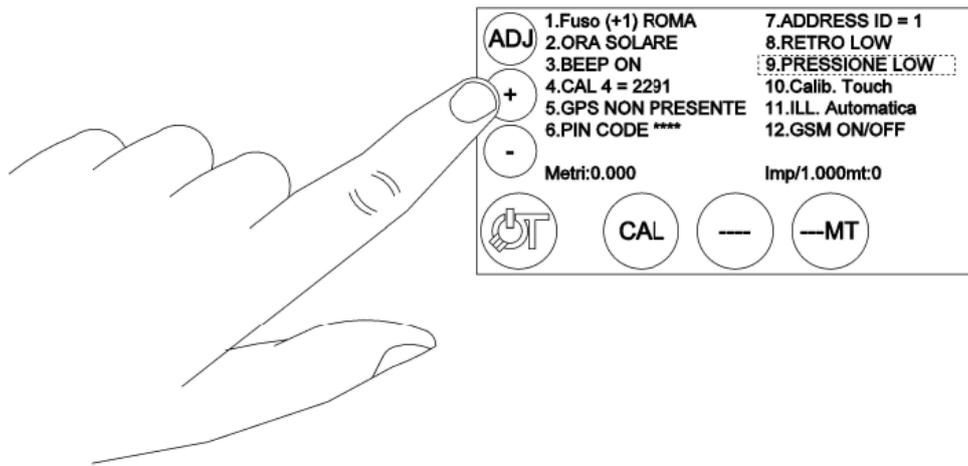
### BACK LOW

With BACK LOW, the triangle with the R is green if the pin back is connected to ground and turns to red if this goes to 12V

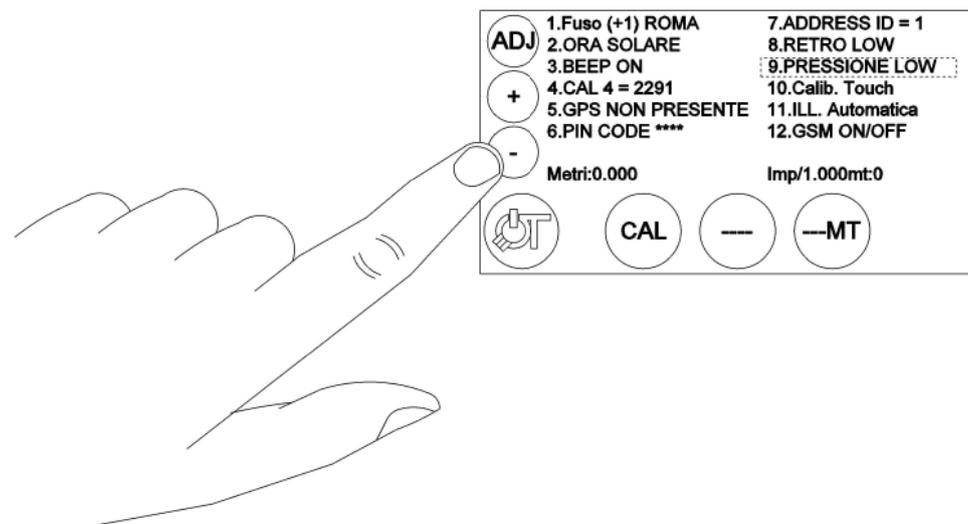


**9. PRESSURE HI/LOW**

After clicking on PRESSURE HI/LOW, with the + and - buttons, it reverses the operation HI/LOW. By pressing the + key , the written change from PRESSURE LOW to PRESSURE HI.



By pressing the key -, the written change from HI PRESSURE to LOW PRESSURE.

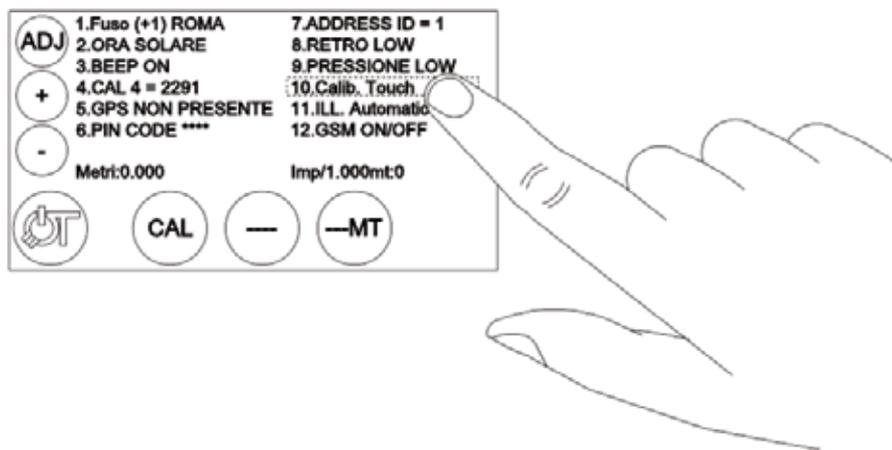


With these actions, it reverses only the written signal, the alarm is activated when the input pressure is connected to ground.

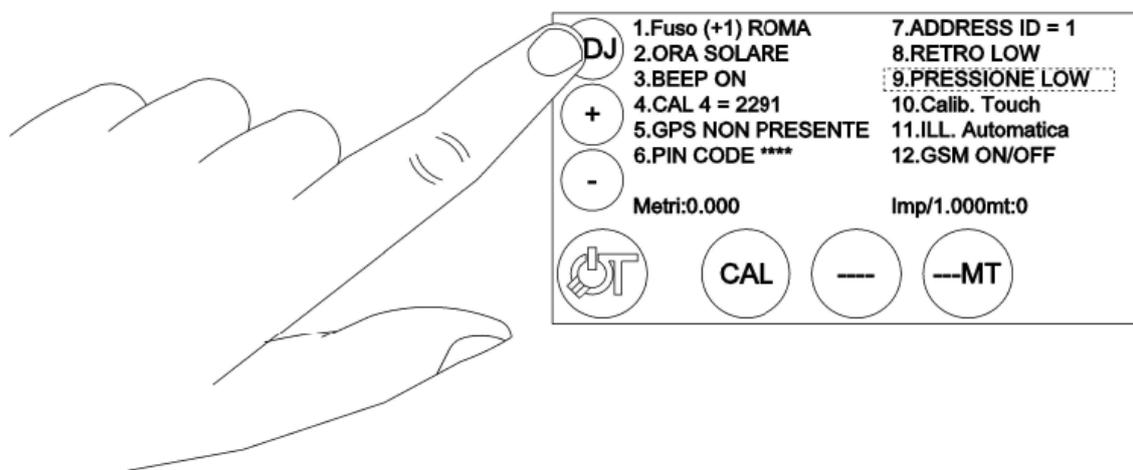
### 10. Calib. Touch

If necessary, the touch of the TR 400 series, can be recalibrated in the following manner:

- Press on the written "10.Calib. Touch" until it is Highlighted



- Press the key ADJ, will be launched the procedure to calibrate the Screen.



In the end, it is necessary to turn off the trip and then turn it back on.

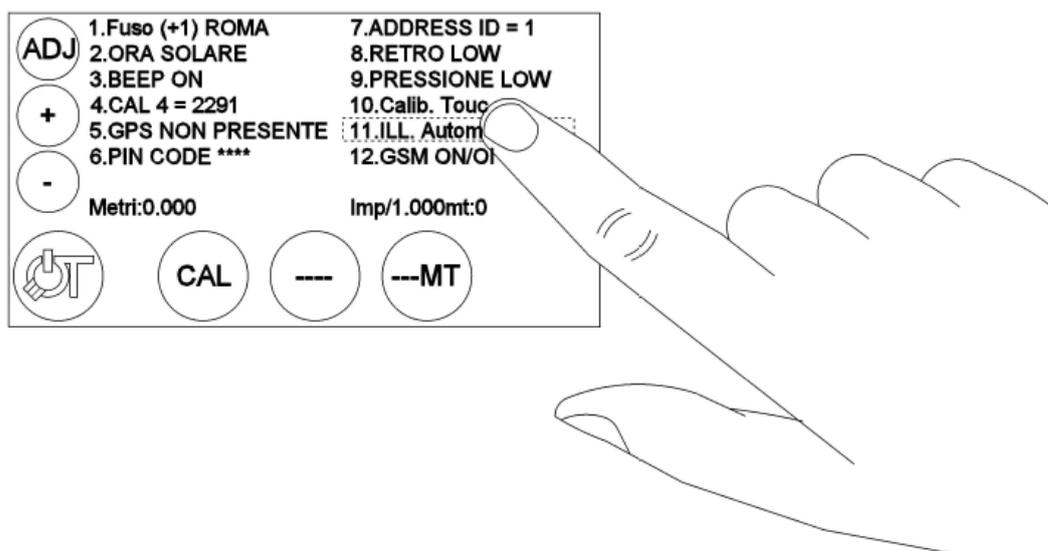
## 11. ILL Auto /Day/Night

As completion of essential accessories for these types of instruments, the TR 400 series, it is equipped with the ability to choose the lighting mode of the screen.

Useful, given the strong lighting white background, that during the night hours would cause visual defects.

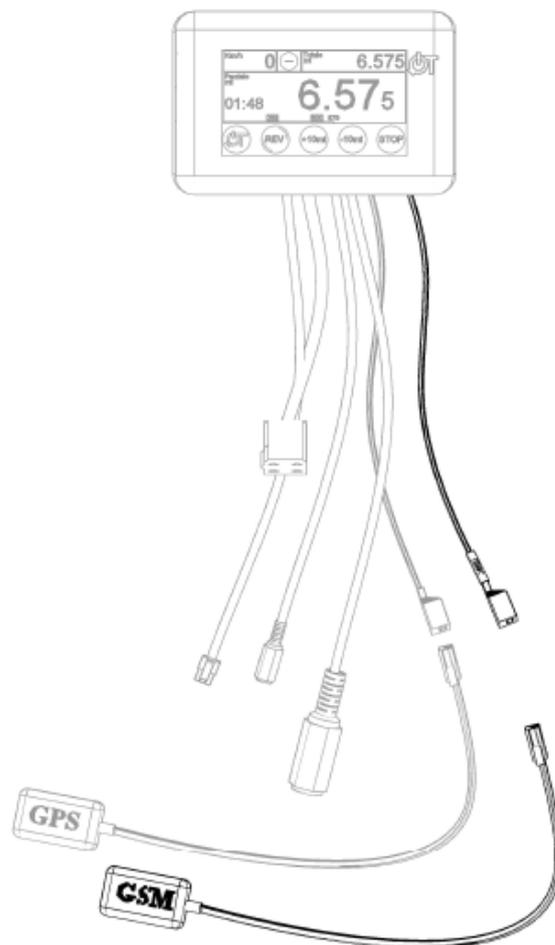
By pressing on the written, until is highlighted and then acting on the buttons "+ and - ", you select the lighting modes:

- AUTO, it automatically changes the color of the background and the written by means of the clock of the GPS ( if fitted), according to the time set to point 1 of the page SET, with a dark background during the night hours and with light background in the daytime.
- THE DAY, with this setting, the background clear day, it stays until a new instructions.
- ONE NIGHT, with this setting, the background dark night, it stays until a new instructions.

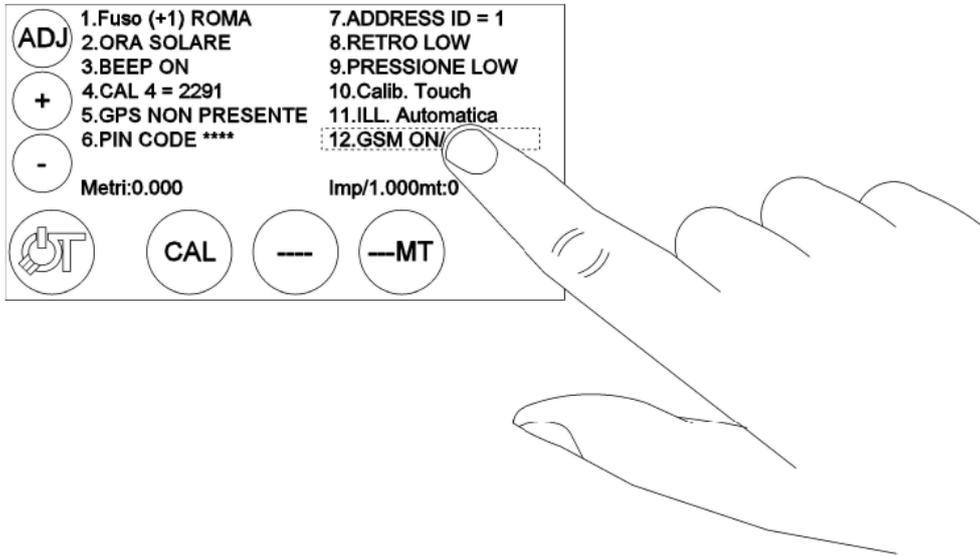


## 12. GSM ON/OFF (only for model TR-460)

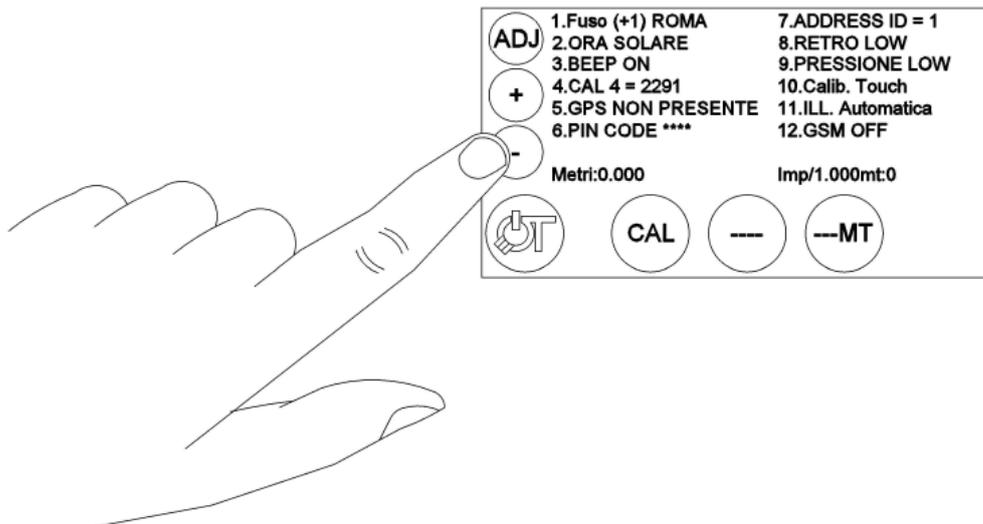
The model TR-460, top-of-the-range Trippo TR 400 series, has, in addition to modules radio and GPS, a GSM module, which is useful to allow, direction center race or assistance, to keep under control the participants vehicles. To activate the GSM, after the connection of the module to the cable of the TR, the latter with the terminal portion highlighted in blue,



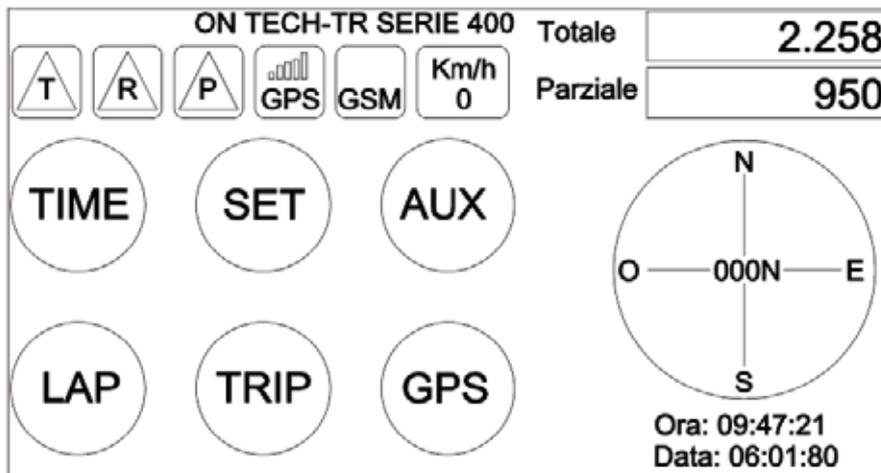
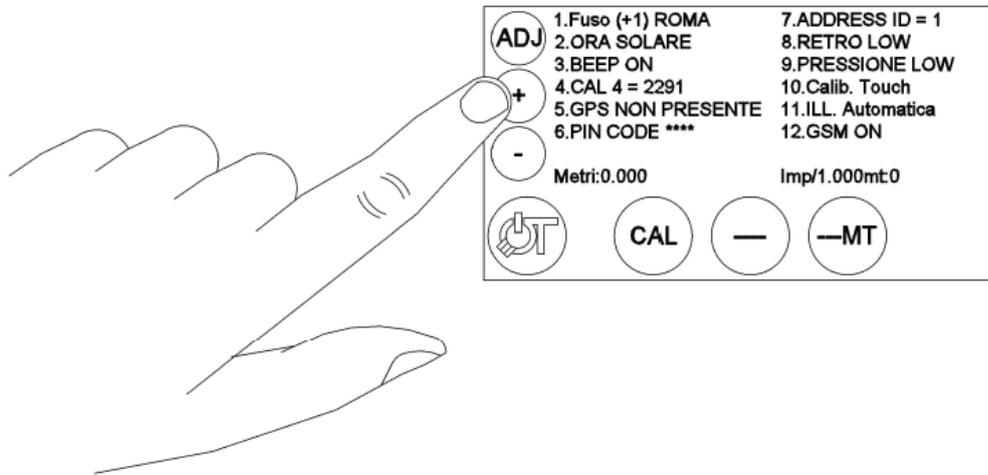
Press on the written, until it is highlighted.



Press the key -, the written changes from GSM ON a GSM OFF

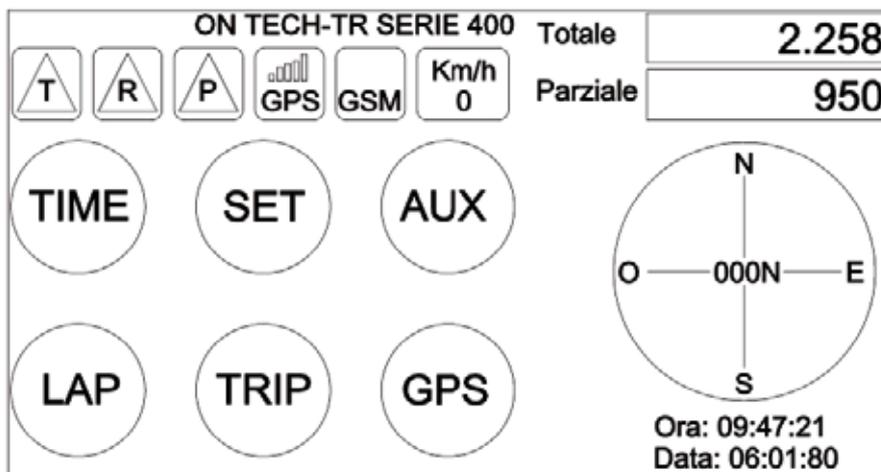
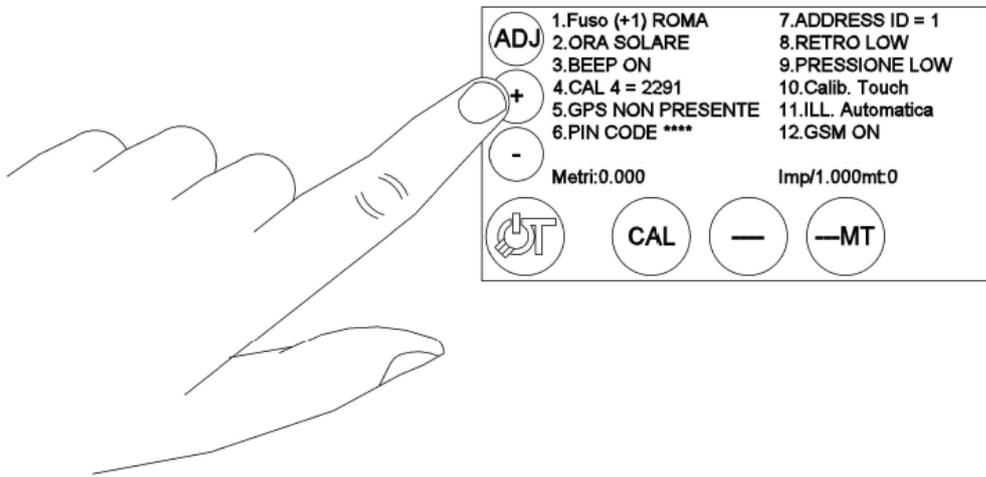


Press the +, the written changes from GSM OFF to GSM ON, by activating the system.



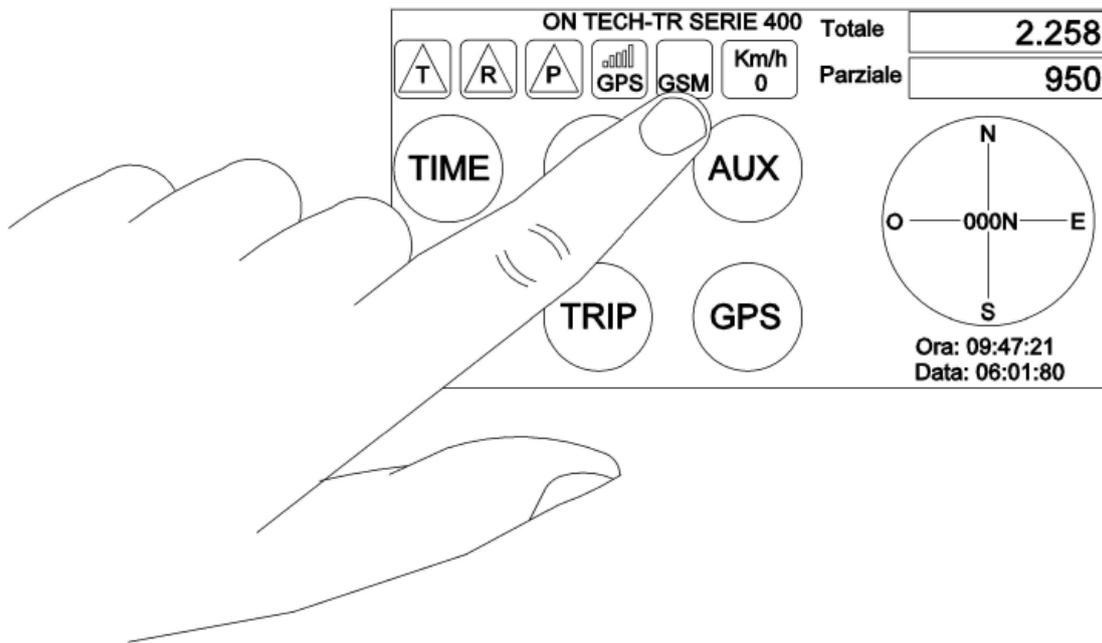
## MEMORIZING NUMBER SERVICE CENTER

For storing on the TR, the service center number ( support race or race direction), which will receive the sms with the geographical coordinates (latitude and longitude) of the vehicle in which it is mounted the Trippo, press on ADJ to open the menu, keyboard



Type the number and give confirmation.

During the competition, to send the sms to the center, press on the GSM icon on the Home screen,



The TR will send a sms, followed by a beep, with the coordinates, that could be open from your PC with the Software TR60.

## 13. SOFTWARE

The various functions of TRIPPO are managed by a 32-bit microprocessor by Microchip and differentiated by dedicated software (developed for the OnTech from MB enterprise).

The series TRIPPO TR 400-420-440 uses the firmware TR 400 x.x.x  
While the TRIPPO TR 460 uses the firmware TR 460 x.x.x

Peculiar feature of the 4xx series is to be able to be easily upgraded to higher level both on the software and for the hardware.

For the changes refer to the chapter 14. Changes.

## 14. MODIFICHE

Whichever model of TRIPPO TR 4xx can be upgraded both from the hardware and the software.

Models 400-420-440 share the same software and from the base model (TR 400) can be added the GPS receiver and the radio module.

For being able to pass to model TR 460 beyond to these modifications it will be necessary to change firmware and to add the cable for GSM receiver.

Excluding the upgrade from TR 400 to TR 420 (added of module GPS TR the 30) modifications have to be carried out from the OnTech.

In order to know the costs and the times, please contact the Totani Off Road Technologies.

### > **From TR 400 and TR 420**

Addition of the TR module 30

### > **From TR 400/420 and TR 440**

Addition of the TR module 30

Addition of the TR module 35

Replacement of the license plate NO. serial

### > **From TR 400/420/440 and TR460**

Replacement firmware

Addition of the TR module 30

Addition of the TR module 35

Replacement of the license plate NO. serial

TRIPPO TR-400/420/440/460 User Manual

V. 1.0

*(All images below are purely for illustrative purposes and may not reflect the measures and forms real.)*



**Totani srl** - S.S. 615 per Pianola - L'Aquila - Tel. 0862.410230  
**Totani Company srl** - S.S. 80 Km - L'Aquila - Tel. 0862.312800  
**Show room Accessori Roma** - P.le Ardeatino 1G - Roma - Tel. 06.57250583  
email: [info@totani.it](mailto:info@totani.it) - [www.totani.it](http://www.totani.it)

