Totani

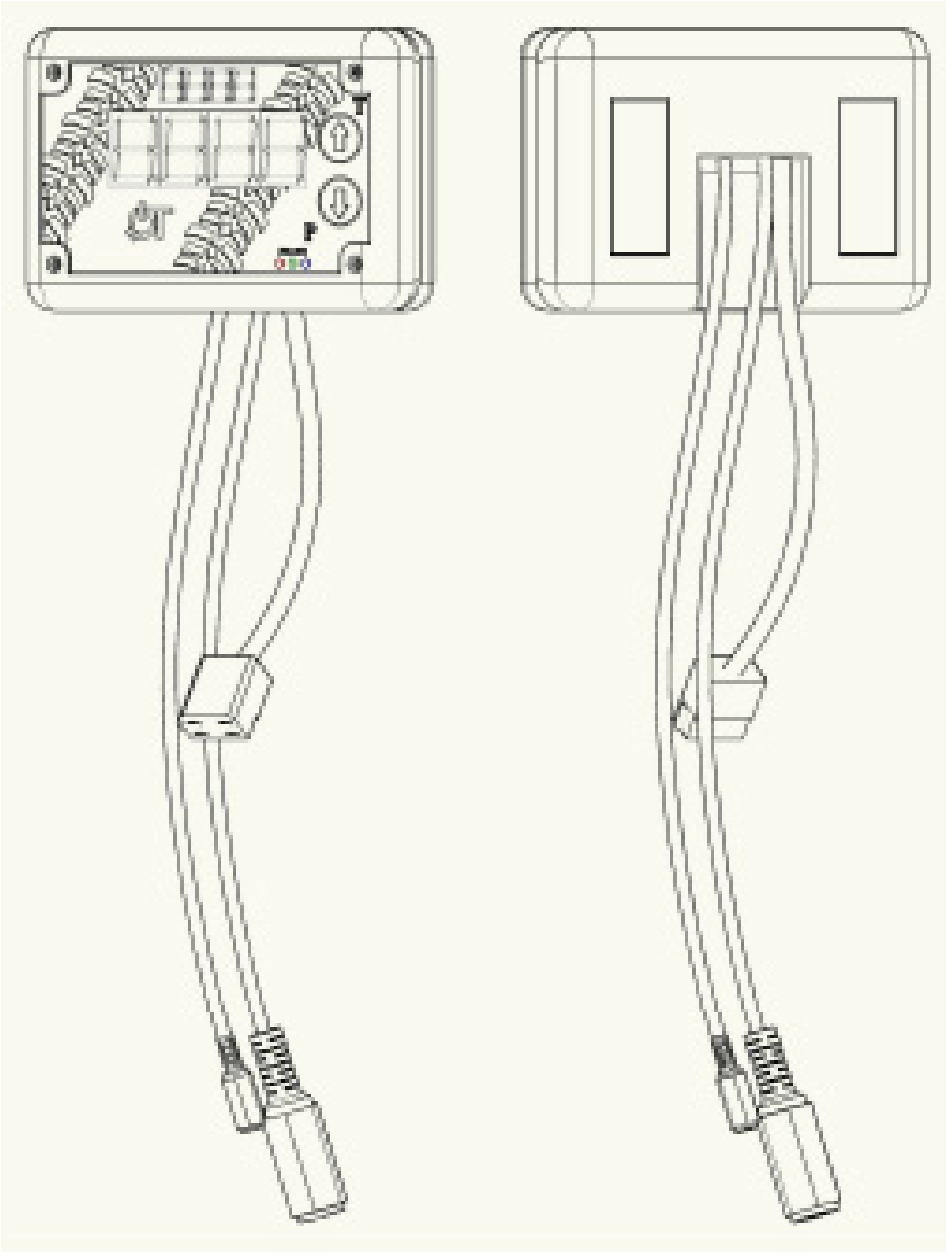
OFF ROAD TECHNOLOGIES

TRIPPO

USER MANUAL TR200

V. 1.0

TRIPPO



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TRIPPO

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1. DESCRIPTION

The trip master TRIPPO model TR-200 is designed to meet the functions of trip counts meters/km total and partial. Also integrates the functions of temporary stop of the count (to prevent advances when slipping wheels), read the reverse, a chronograph to the tenth of a second.

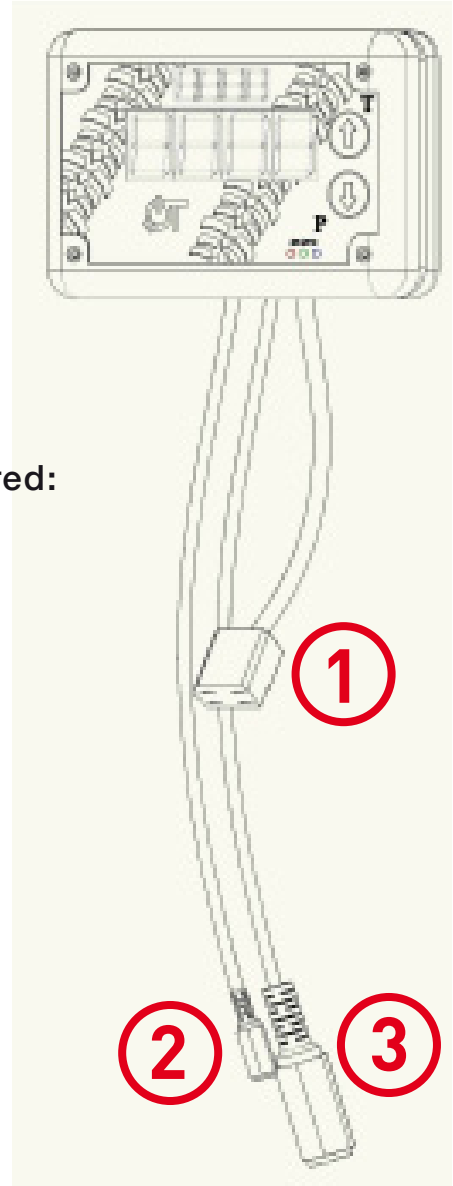
Available with the wiring for the remote reset (included in the package) and with the output for the connection of the TR-100 module (Remote Display) for the pilot. TRIPPO TR-200, is a MADE IN ITALY product, born from the passion for the OFF ROAD, produced by ON-TECH and distributed by TOTANI OFF ROAD.

The strong electronic integration, thanks to the use of a microprocessor of last generation, to the installation of components of the SMD (electronic card with finishes golden), to the use of two display in blue coloration (the main one with 20mm high digits, the secondary with 8mm high digits for a clear reading) and also the membrane keyboard with scratch-resistant finish, have allowed the realization of a compact module inserted in a polycarbonate enclosure shaped on it and highly resistant both mechanically and aggressive agents related to a use in OFF-ROAD such as water and dust.

2. TECHNICAL SPECIFICATIONS

- Double reading km/mt total and partial (in different sizes for easing understanding).
- Display total km : 7 segment led 0.4 -inch, blue coloring high brightness.
- Display km partial: 7-segment led 0.8 -inch, blue coloring high brightness.
- Microprocessor PIC24 16 Bit
- Electronic board, with input for updates future firmware.
- Input digital Odometer (where not present and you can use the form TR-S01)
- 8 Memories for metric calibration
- Input for connection Reset RS key
- Ability to set the address for the connection via radio (on request)
- RETR command for reversal of the count (with flashing indicator insertion)
- STOP command for the interruption of the metric reading
- Enabling/Disabling buzzer

3. CONNECTION



PACKAGE

The package of the TRIPPO TR-200 includes:

- Trip Master TRIPPO TR-200
- Multipolar connector male plug for connection
- Wire remote reset for partial km with a button

The TRIPPO TR-200 is equipped with 3 cables wired:

1. Power connector *(female flying connector with 4 poles, with insertion key for Fast-on 6.3mm).*

2. Input Reset (3.5mm jack).

3. Input interface module (6.3mm jack).

POWER SUPPLY

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

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

The white wire (+12 Volts), must be connected to the fuse box, protected by a minimum of 1Ah to a maximum of 3Ah.

In the package of the TRIPPO, it is provided:

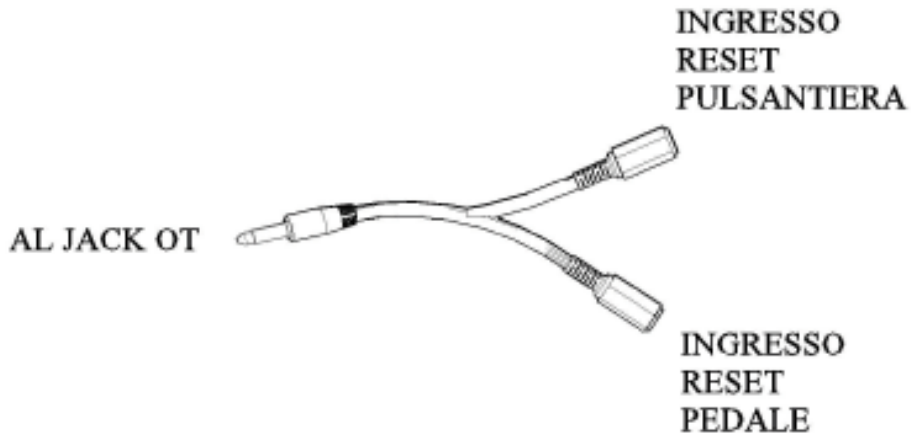
- A rectangular connector case to 4 tracks,
- 4 Male terminals to crimp, 0.8 2.1mm x 250

For the inside connection to the car *(the connection has to be performed by specialized personnel. Alterations of the original car electrical system, could void the official warranty of the manufacturer and therefore, they are carried out under the full responsibility of the owner. The OnTech will not be responsible, for any malfunctions resulting from these modifications).*

- Trip TRIPPO TR-200.
- Reset Button partial kilometers, to wire a single button.

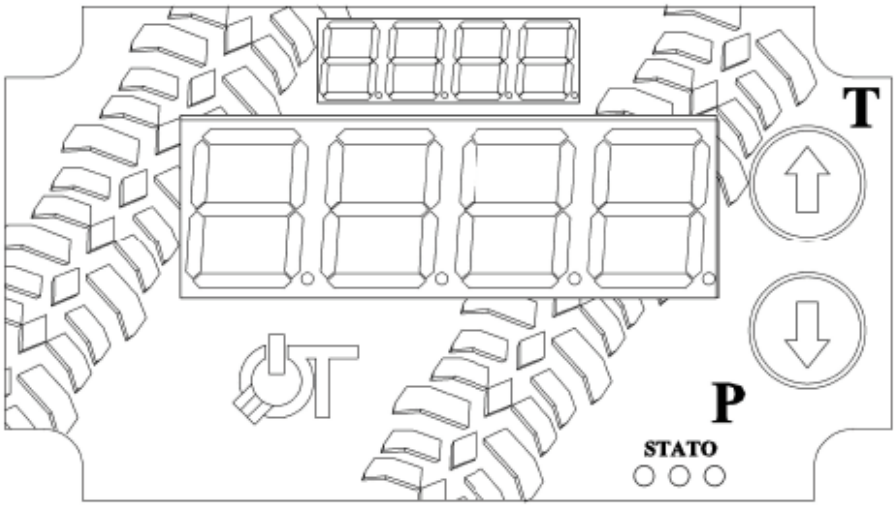
RESET

To reset connector (3.5mm jack socket) of the Trip, in addition to the partial kilometers reset (supplied), to the TR-R01, equipped with three buttons, in order to be able to reset the kilometers subtotals and quick pass "trip/gps" (accessory), an adapter can be connected to Y- to be able to install in parallel a TR-R02pedal reset or TR-R03 mushroom- shaped button (both available as an accessory).

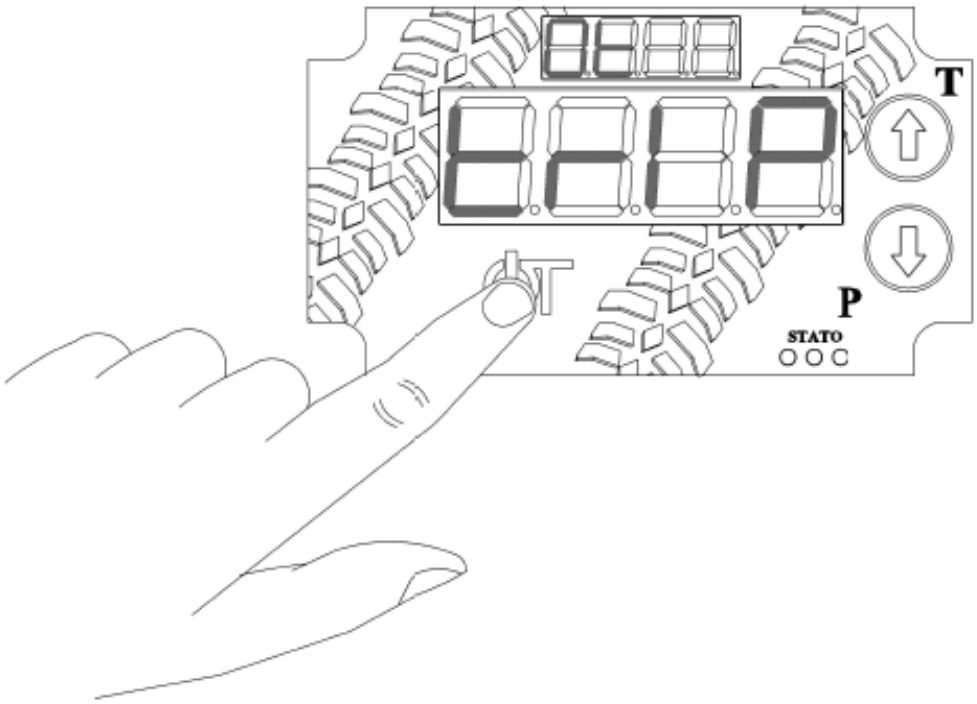


The TRIPPO TR-200 has a membrane keyboard and dome buttons.
The buttons are 3:

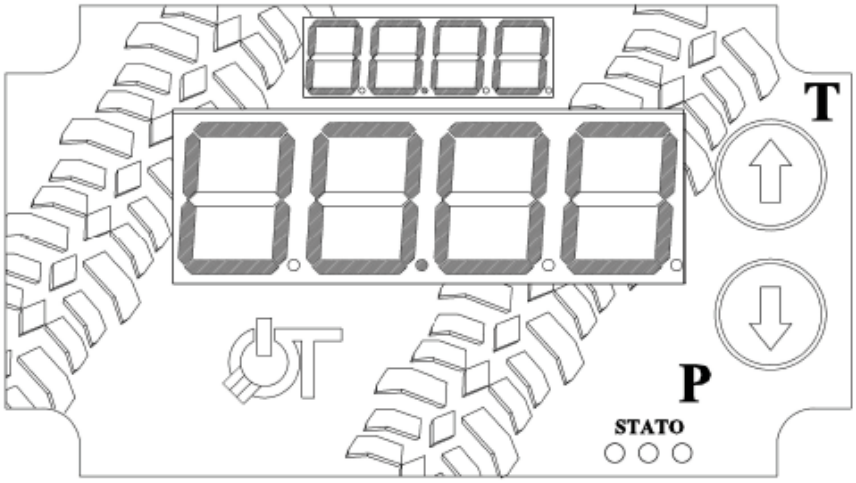
- **Logo OT**, is the on/off button and it activates the various functions
- **T**, is the button to reset the total kilometers and to scroll through the functions
- **P**, is the button to reset the trip odometer and scroll through the functions



By pressing the key LOGO on the keyboard for more than three seconds, you have access to the MENU.



Next, you will see the screen for reading metric.

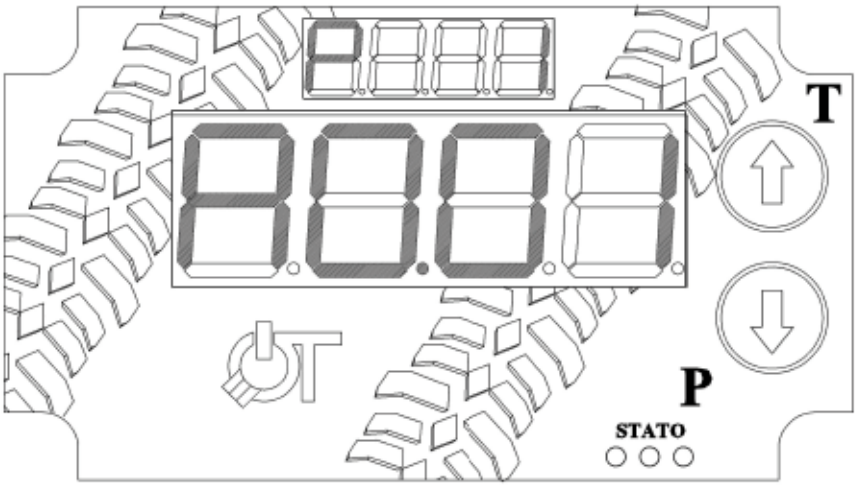


4. SETTING

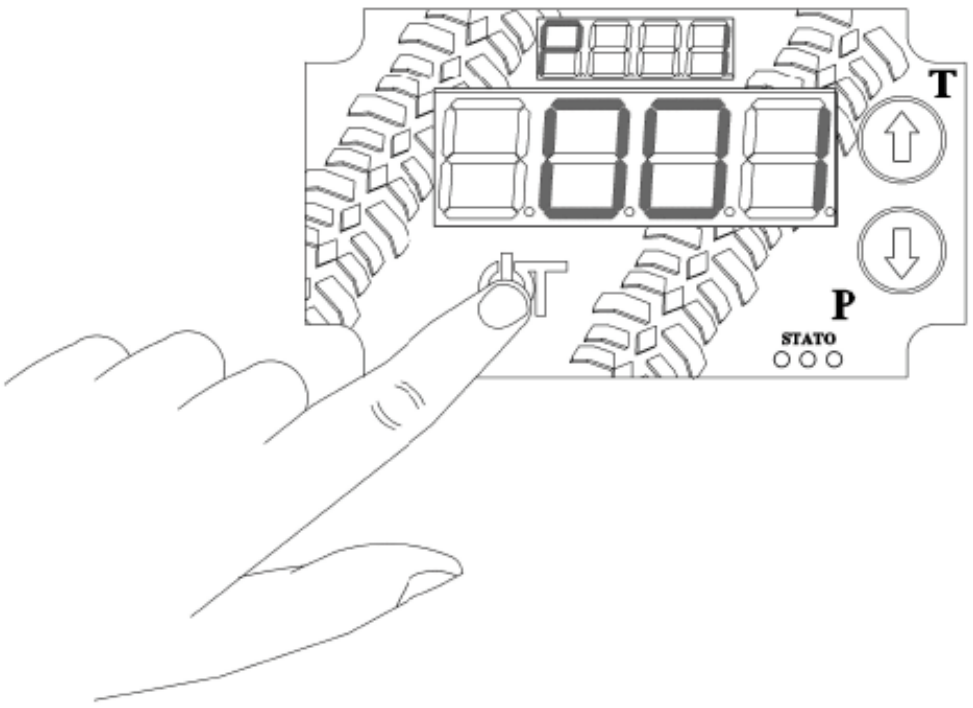
Before using the tool in a correct way, some settings are necessary.
While the tool is on, clicking the ON button for about 3 seconds, it enters the function setting ,in order to set the instrument to suit your needs.

5. P1 FUNCTION ADDRESSES

The first value is the P1, corresponding to the radio module address (if installed).

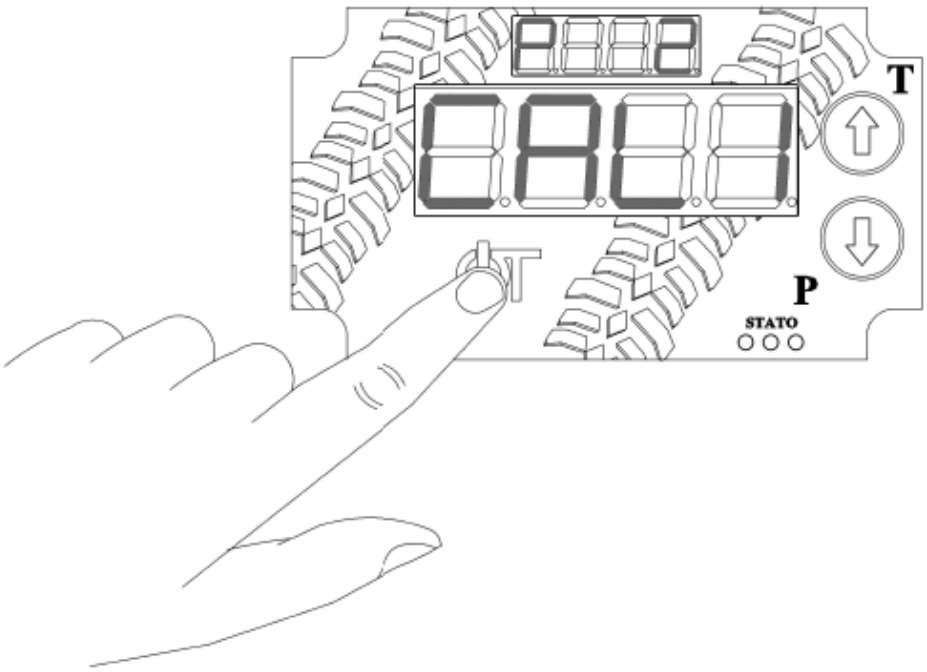


You click the button ON to enter the parameter that has to be changed and scrolling with the buttons T and P you choose addresses, available up to 512 addresses. Once the parameter is selected, reconfirm with the ON button.



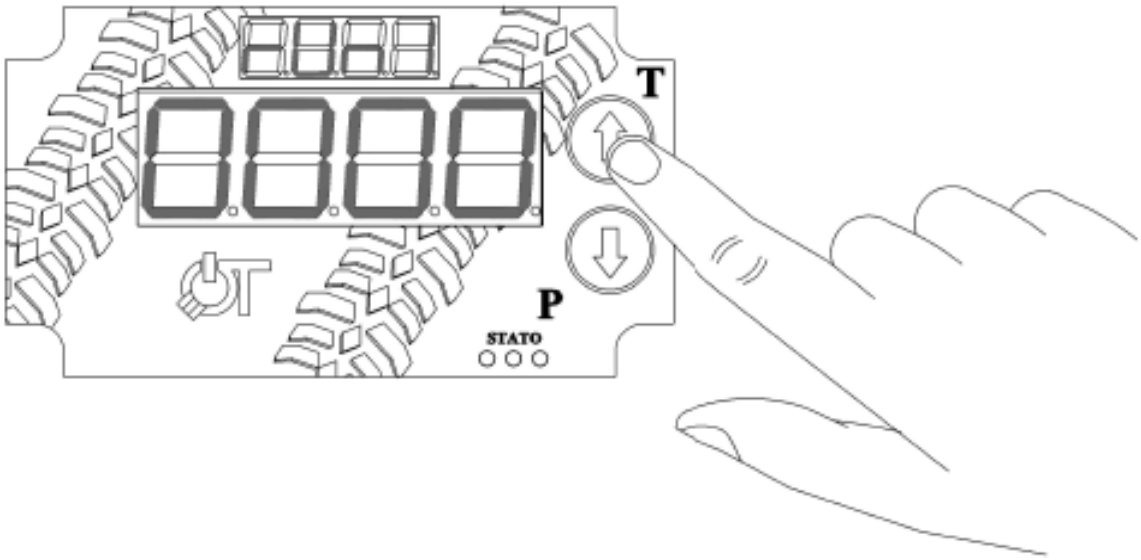
6. P2 CALIBRATION FUNCTION

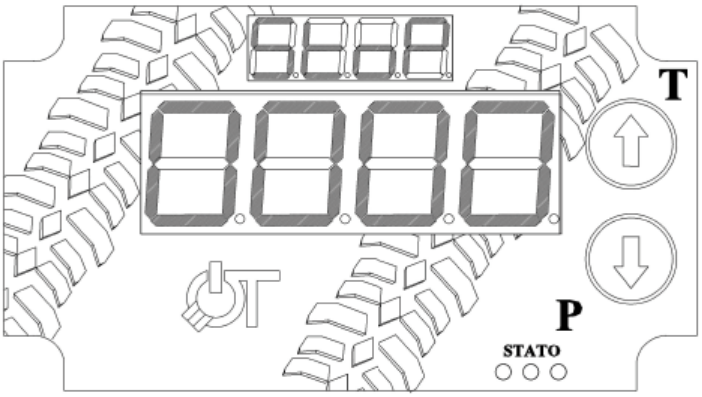
Acting with the buttons T and P, you select the parameter "P2" to be able to perform the calibration.



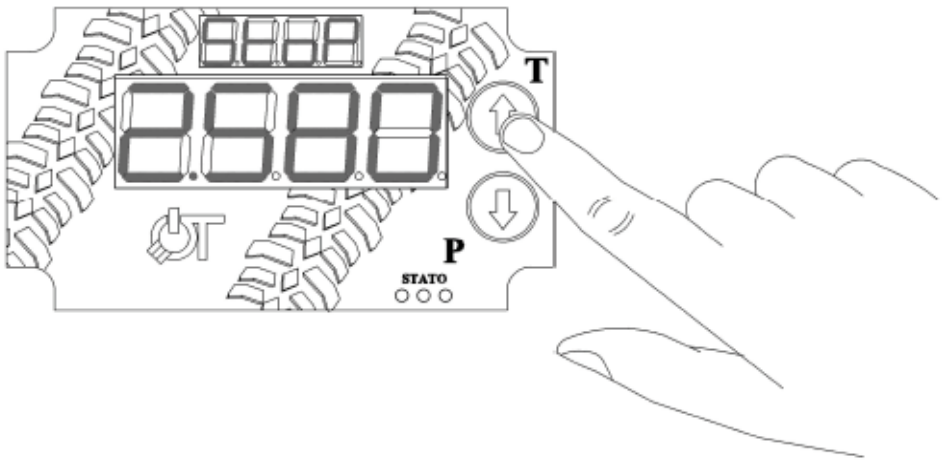
There are 8 different calibrations 1...8, Press T or P to choose the one that you want to use.

By pressing the ON button, you start calibrating with the request "run", by pressing the button T it is confirmed the departure of the car and the metric reading.



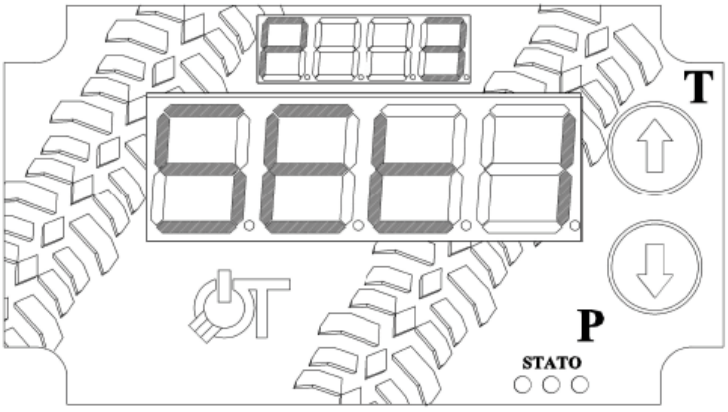


We start with the car making a path of 1000mt at the end of which you press the T button, confirming the STOP and storing the pulses carried out.

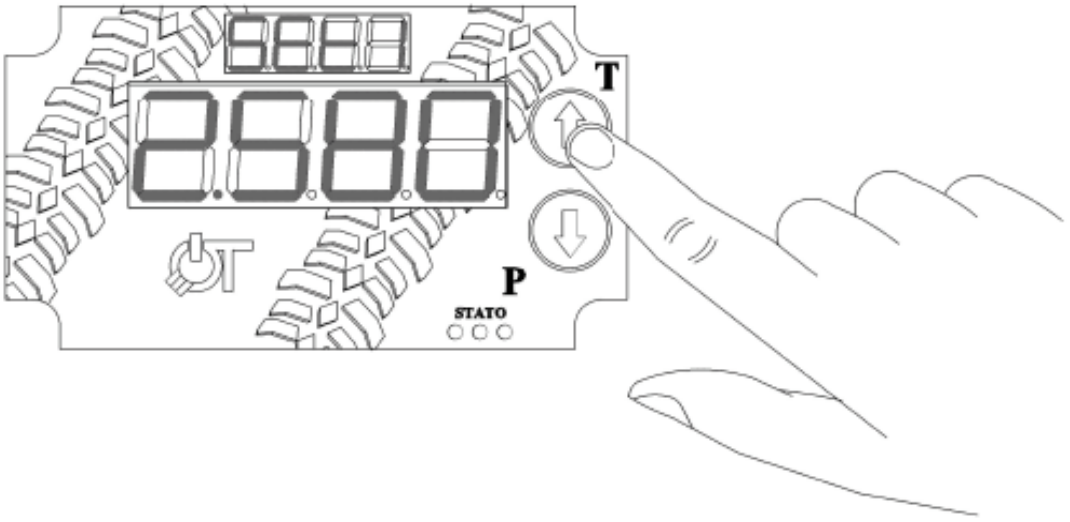


7. P3 FEATURE SET

It is possible to modify the pulses stored, with the feature SET.

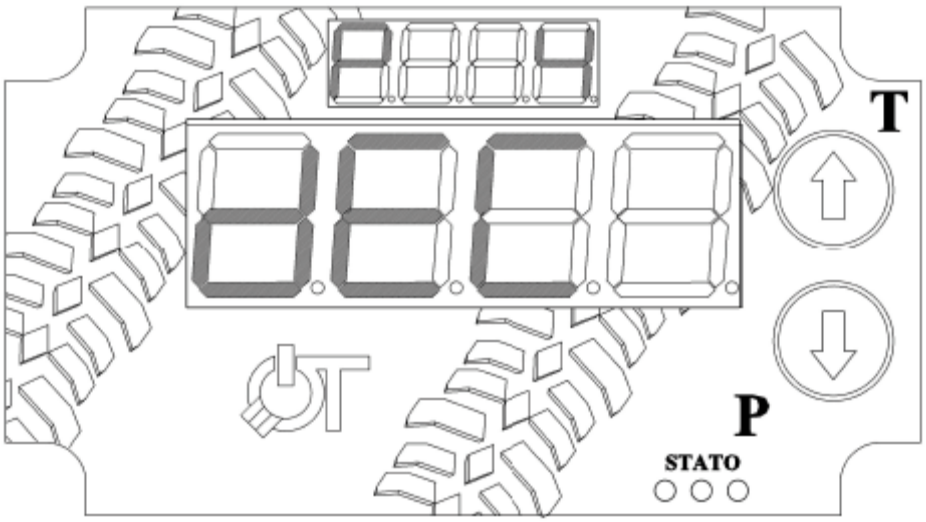


By pressing the ON button, you confirm the function chosen, and you enter to be able to change the value of pulses made, acting with the arrows T and P.

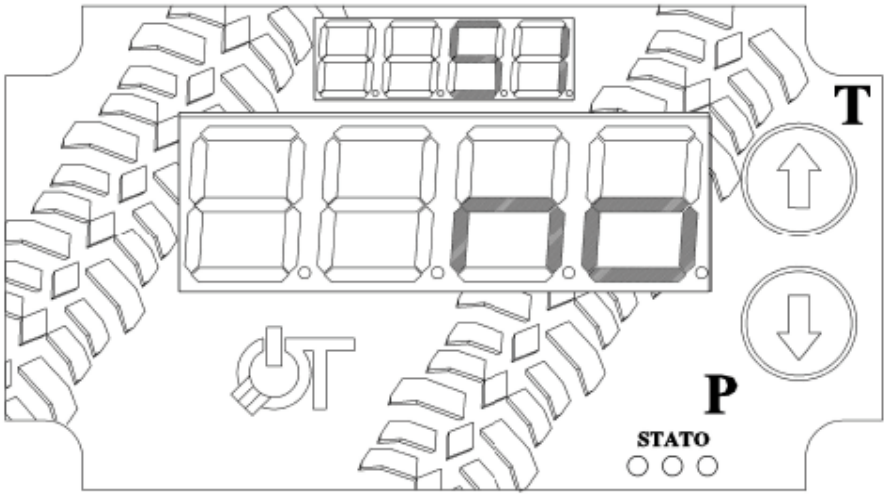


8. DECIMAL PLACES

The function DEC, allows you to change the view of the display in decimal ex. 1000mt becomes 10.00.

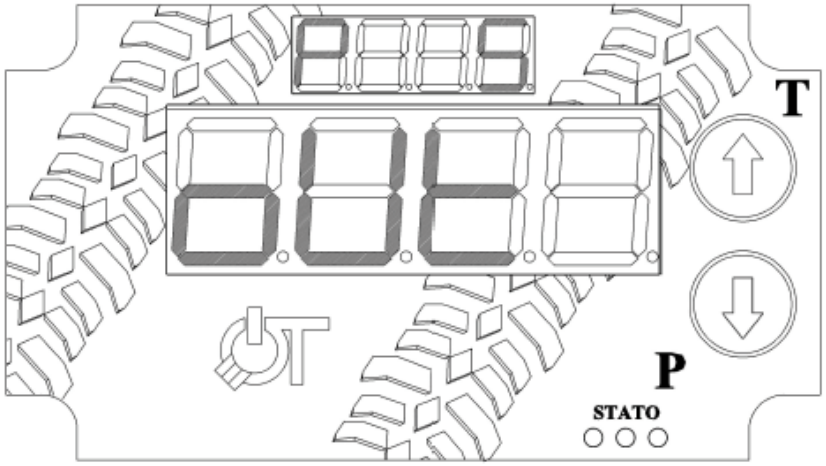


It flows with the arrows on the function P4 and click ON.
Then you choose yes or no with the arrows.

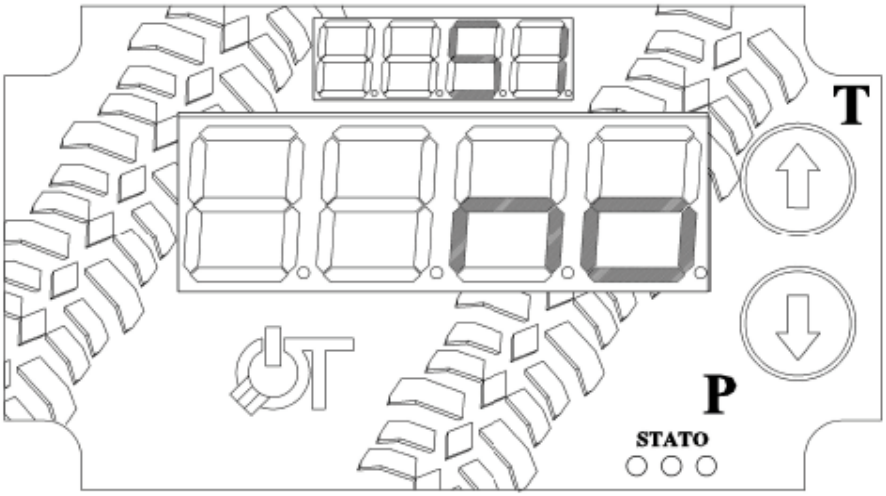


9. P5 FUNCTION OUT

Once the operation of setting is completed, you select the feature OUT, to exit the programming and to be able to begin to use the Trip.
It scrolls with the arrows and stop to the function P 5 OUT.

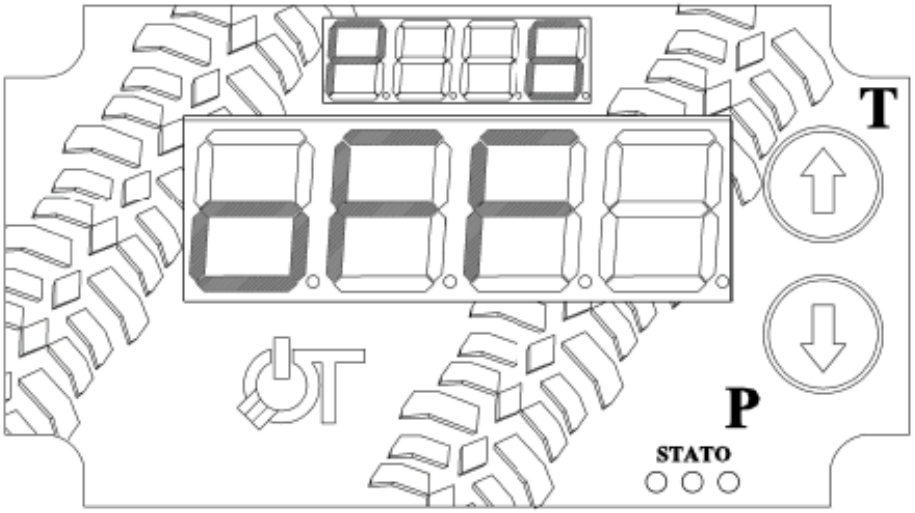


There is a confirmation of the selected function, with the key ON, and then confirms with the arrow.

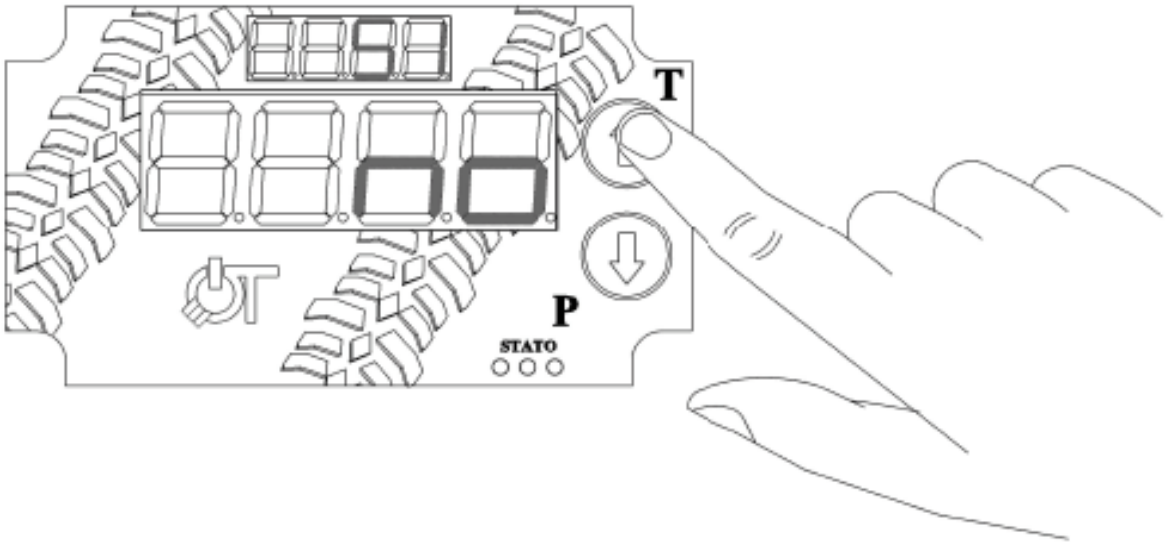


10. P6 FUNCTION OFF

The function P6, allows you to turn off the trip.

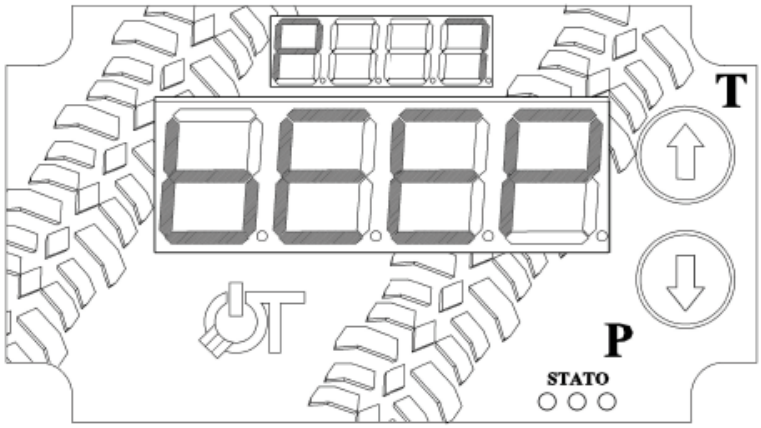


It is confirmed with the ON button and to select press T.

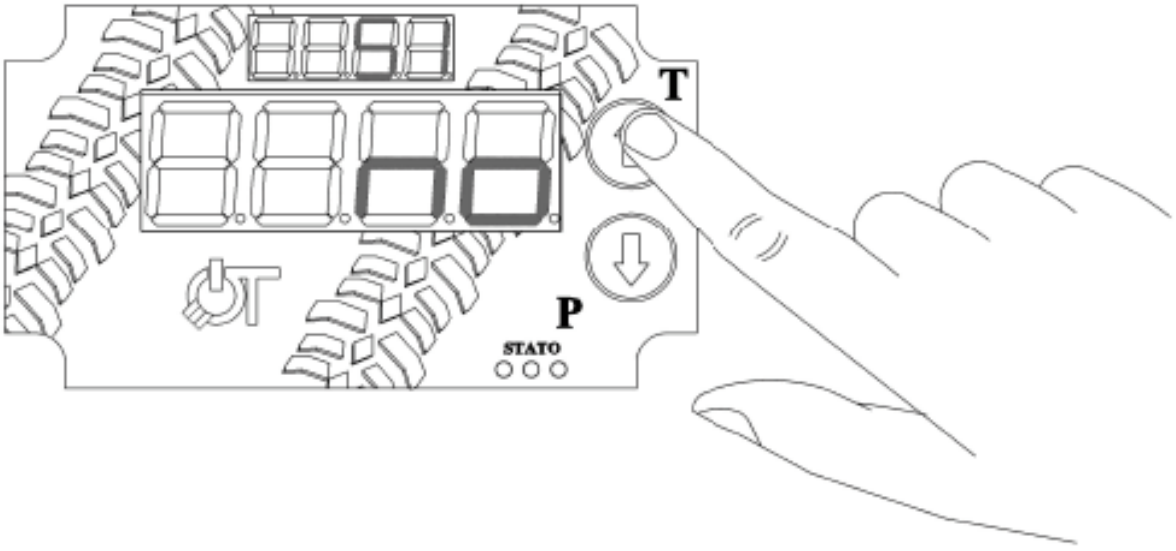


11. P7 BEEP FUNCTION

The device is equipped with the sound when you push buttons.
To enable or disable this feature, you select (by scrolling arrows T and P) the function P7,

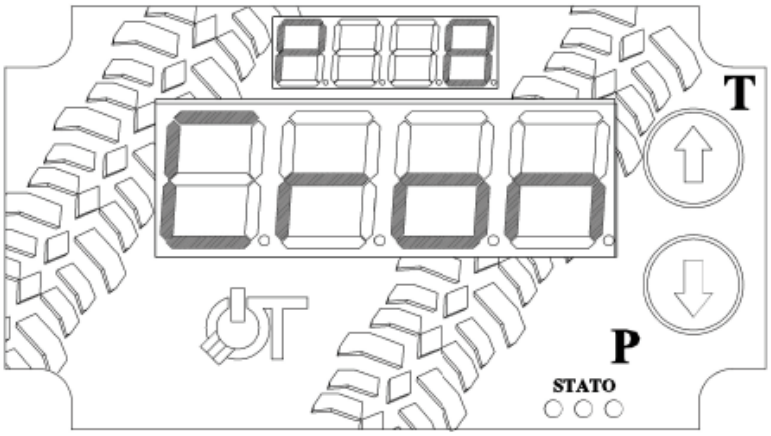


It is confirmed with the ON button and select it with the arrow T

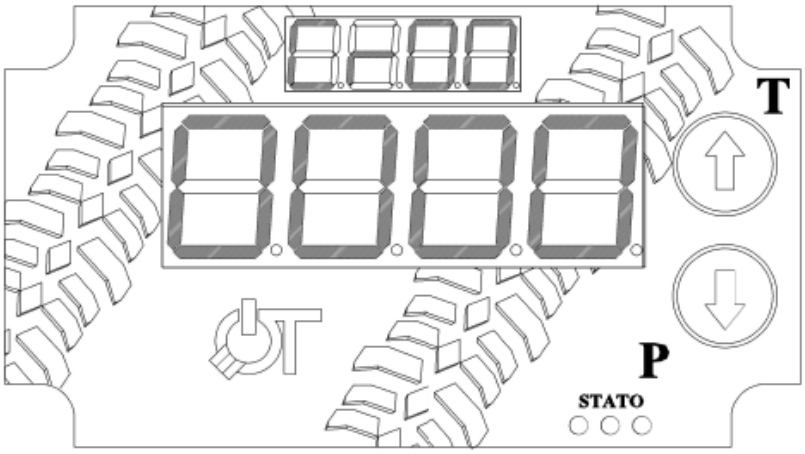


12. P8 FUNCTION CHRONOGRAPH

In addition to performing the odometry function, the TR-200 has a stopwatch function.



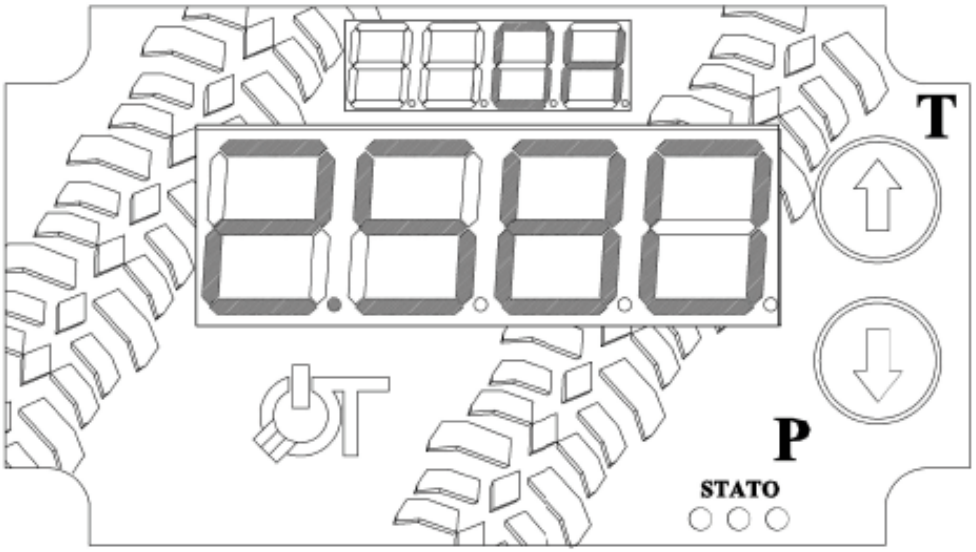
You confirm with the ON button, and you select with the arrow T the start and the stop, while with the arrow P resets the count.



The large display indicates the seconds.

13. FUNCTION COUNTS KM

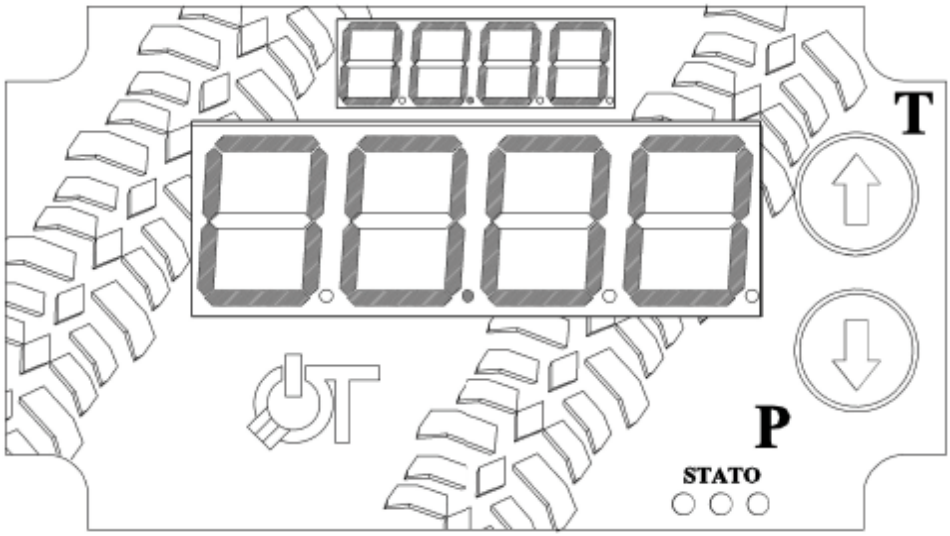
Keeping the button pressed ON for about 2 sec, you set the small display superior, as reader for the speed in km/h.



The value Km/h for the speed display, is calculated as a function of the value of the calibration used.

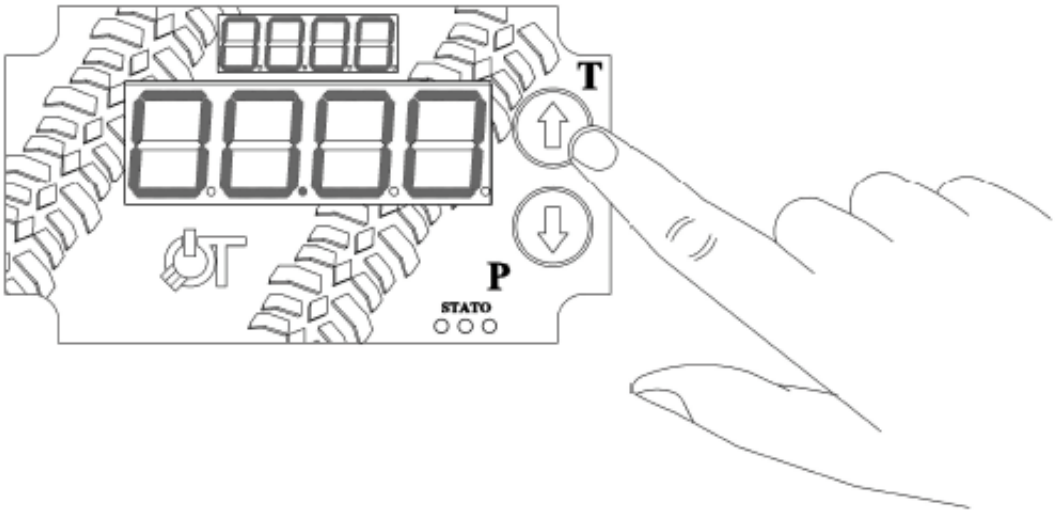
14. FUNCTION TRIP

To use the odometry function, after you have set the various parameters, it performs the function P5 OUT and it enters the window Trip.

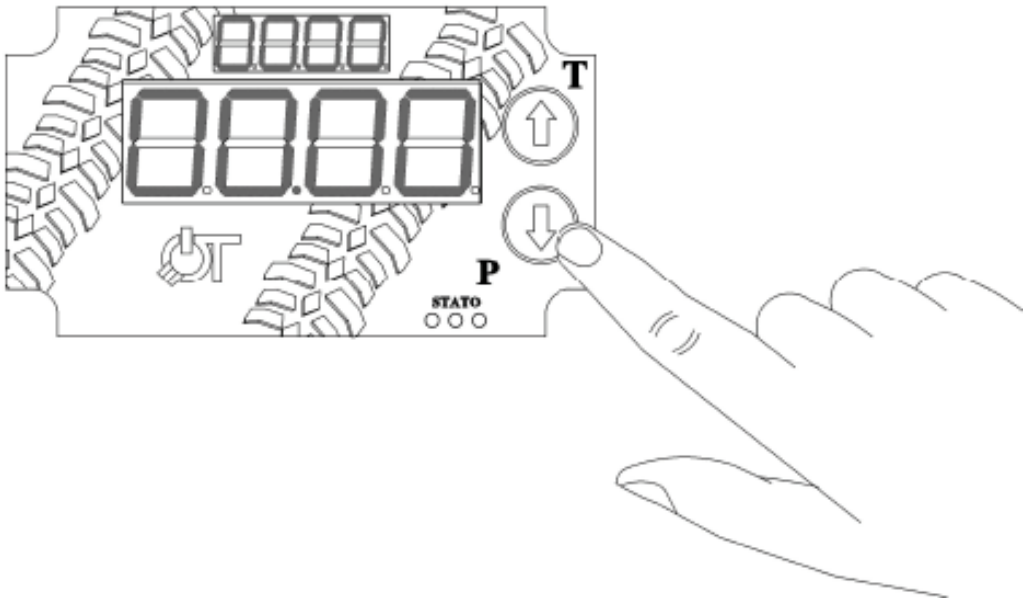


During the reading metric, you may reset partial or total, by pressing the "T for the total" and "P for the partial"

TOTAL RESET

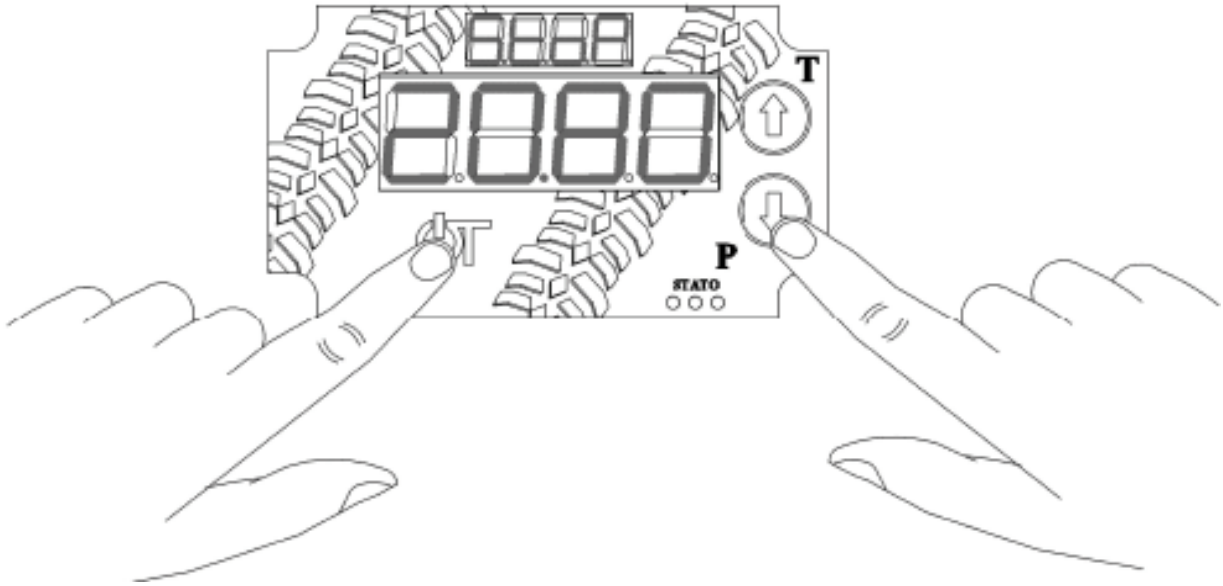


PARTIAL RESET



15. FUNCTION STOP

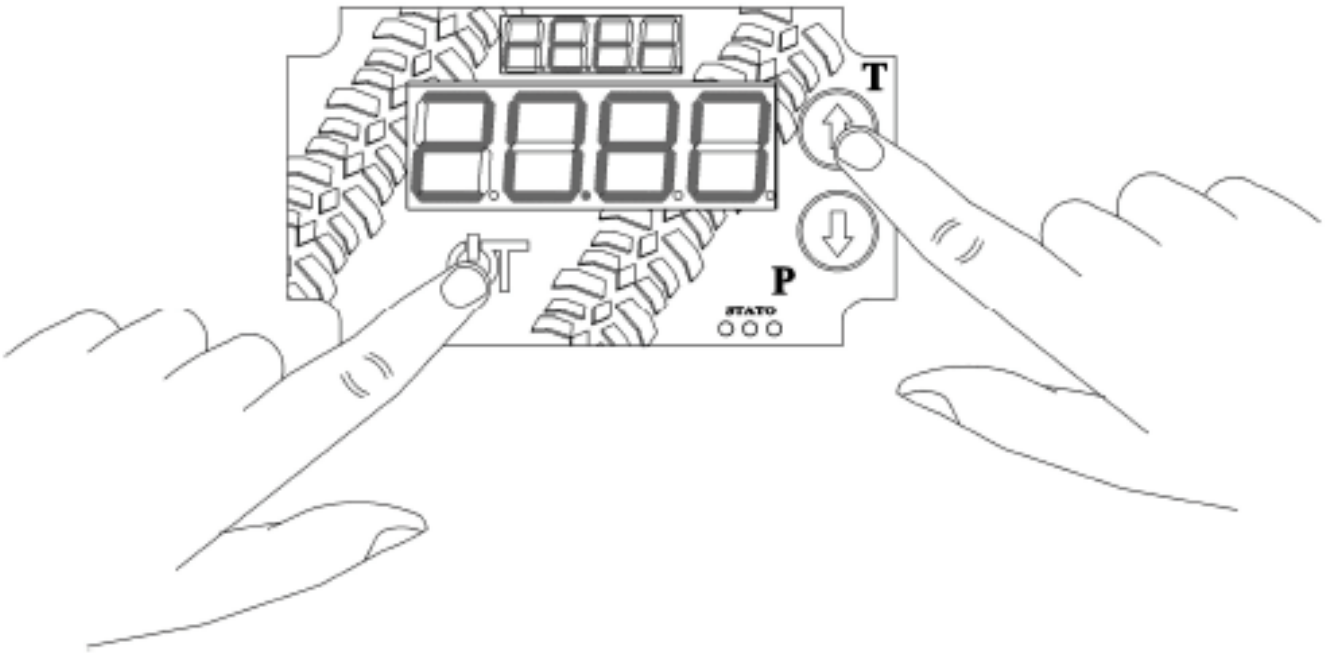
The trip TR-200, has integrated the STOP function, useful command to lock the metric reading in case of necessity, resulting from external factors, such as travel a route that involves various spinning freely of the wheels, thus avoiding to advance the count unnecessarily.
To obtain this feature, just press button ON with the P key simultaneously (▼).



By repeating the operation, it returns to count metric, previously blocked.

16. RETR FUNCTION

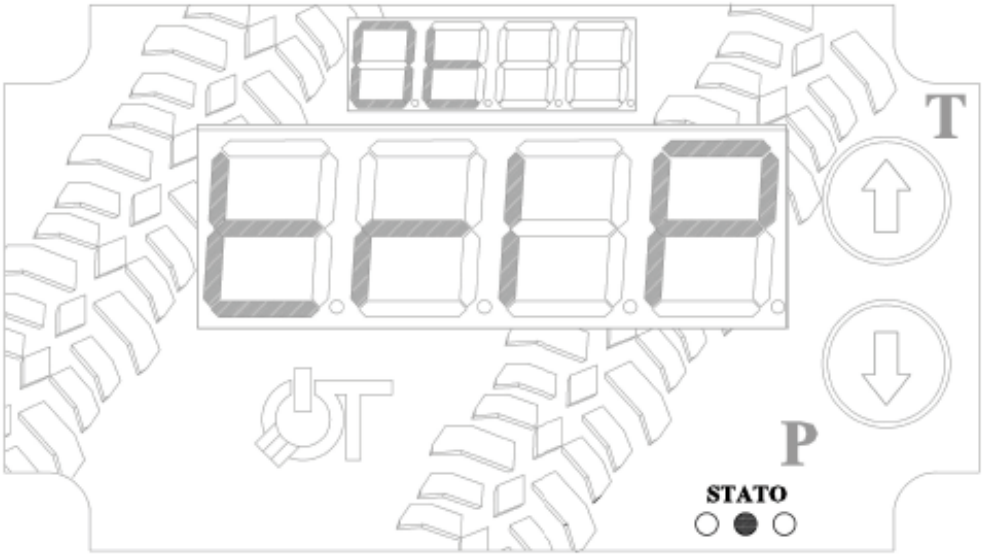
The trip TR-200, has integrated the function RETR, useful command to reverse the reading metric in case of need, for example, if during the reading of the road book, you may realize that you have path a note wrong way, by activating this feature, it is possible, retracing the wrong path in the opposite way, obtain the metric reading restored to the last correct note, in order to achieve this function, simply press the button ON the key T at the same time (▲).



By repeating the operation, it returns to count metric, previously reversed.

17. LED STATUS

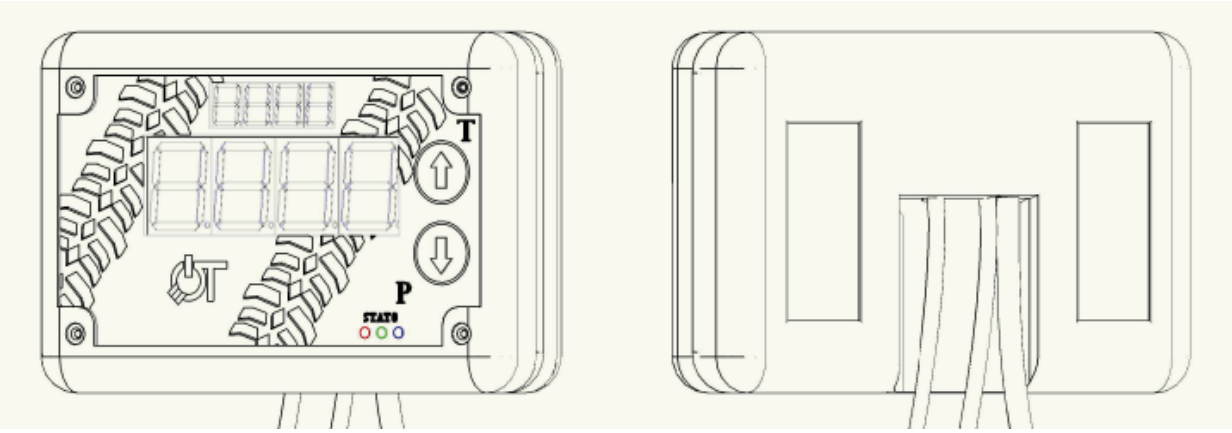
On the membrane keyboard of the TR-200, on right bottom, it is housed a window with the leds lights. The central red led, will flash indicating the correct operation of the device.



(The function of the other leds depends on if you have installed the radio module)

18. HOUSES

The technology of the TR-200 is assembled in a Case studied in all its details by ON TECH.
Its capacity of physical resistance, were tested in the field, thanks to the collaboration of the TOTANI team (raid in Tunisia, baja of Poland and Spain) and by the OT with the use of ovens, and accompanied by a technical instructions.
In addition to its physical ability, the case of the TR-200 was studied in design, with smooth lines, size appropriate to the use and some of the details, studied together with the MB enterprise, as the accommodations for the two Velcro fastenings, useful for its fixation on dashboards and below for the passage of cables, to ensure that these do not bother while fixing.



SCHEDA TECNICA

Prodotto: xxx

Descrizione: Lastre in ABS
Qualità: Prima scelta
Colore: Bianco o colorato secondo richiesta

	Metodo di Test	Provini	Unità di Misura	Valore	Proprietà
Proprietà Reologiche					
MFR (220°C, 10kg)	ISO1133	moulding compound	g/10m	5.0-8.0	Melt Flow Index
Proprietà Termiche					
HDT (120°C/h, 1.80 MPa)	ISO75/A	80×10×4 mm	°C	97	Heat Distortion Temperature
Vicat A50 (10N, 50°C/h)	ISO306/A	80×10×4 mm	°C	107	Vicat Softening Temperature
Vicat B50 (50N, 50°C/h)	ISO306/B	80×10×4 mm	°C	98	Vicat Softening Temperature
Proprietà Meccaniche					
Izod notched 23°C	ASTM D256	64×12.7×3.2 mm	J/m	210	Impact Strenght (con intaglio)
Izod notched 23°C	ISO180/A	80×10×4 mm	KJ/m^2	18.0	Impact Strenght (con intaglio)
Izod 23°C	ISO180/U	80×10×4 mm	KJ/m^2	-	Impact Strenght (senza intaglio)

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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 - **www.totani.it**