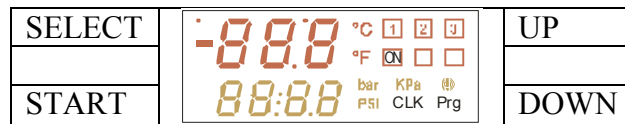


TermoRace TR. PCS user manual



The TR-PCS System

- The Control System **TR.PCS (TermoRace Pressure Control System)** was developed for the preparation of car and motorbike tires.
- It consents the simultaneous monitoring of temperature and pressure, and the display informs you when the tire is ready for use.
- By measuring the pressure we can indirectly obtain the temperature level of the whole 'tire + air+ rim' system, not only the surface one commonly measured on the tire tread. The pressure monitoring and control is given by a module **M.E.P.** (external pressure module) applied to the inflation valve of the tire.
- The System is easy to programme thanks to a 4 button display : it's sufficient to set the tire pressure (without prior heating) and the final heating temperature requested.

TR.PCS Functioning:

- The heating cycle starts with the automatic tire deflation that stops when the preset pressure is reached in order to always guarantee the same conditions for the tire preparation.
- During the heating process the pressure rises with the temperature.
- The heating process stops when the pressure becomes stable.
- When 'end' appears on the display the pressure becomes stable and tire is ready to offer you the best performance in terms of duration and adherence.

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1 Pre-warming setup.

- 1.1 Connect the tyrewarmer to the electronic control unit (UEC) system.
- 1.2 Connect the pressure module (MEP) to the tyrewarmer.
- 1.3 Now the display will show target cold pressure, target temperature and warming speed (1= slow, 2= medium, 3=fast).
- 1.4 If the MEP will not be connected, the system will show cycle time, target temperature and warming speed.
- 1.5 If you need to setup the operating parameters you will have to push UP button. After that, the temperature value will stop blinking.
- 1.6 Adjust the target temperature with UP and DOWN buttons.
- 1.7 Press SELECT button. Now the target cold pressure value (or cycle time) will stop

blinking.

- 1.8 Adjust this parameter with UP and DOWN buttons.
- 1.9 Press SELECT button. Now The cycle speed will stop blinking. Adjust this parameter with UP and DOWN button.
- 1.10 Press SELECT. Programming is now complete and the system is ready to use.

2 Cycle start/stop

- 2.1 Press START button at least for 1s.

3 Individuation of cycle completion (without MEP)

- 3.1 The system will display “End” when the cycle time will be elapsed.

4 Individuation of cycle completion (with MEP)

- 4.1 The system will display “End” when the pressure will be stable. This means that the tyre is ready to use.
- 4.2 If you want flating tyre in manual way, please push “up” and “down” together.

5 Ending cycle

- 5.1 When “End” is displayed, it's possible to disconnect the tyrewarmer.
- 5.2 Press START button to reinitialize the UEC.