



Manual PowerLap 100

Material supplied:

- 1 Unit Power lap takes of times with receiving corporate
- 2 Batteries of 1.5v AAA
- 1 Transmitter , red cable + , black cable -
- 1 Game of velcro
- 2 Bridles
- 2 Glued plastic supports.

Accessory:

- Battery 12V 1.3Ah and loader 12v
- Transmitter to takes of partial.

Installation.

To hold the Power Lap to the sure and visible on-site vehicle, for a comfortable reading of its data. We advise the utilization of the bridles, velcro and supports.

To hold the receiver of infrared to the vehicle, guiding it toward your transmitter and it but high that could be, both should be approximately to the same height and without obstructions. For the motorbike is advisable to put the issuer, to the step of the motorbike, when this rectum, since the slopes of the motorbike in curves, they could block you make it of infrared of the transmitter toward its receiving.

For the nourishment of the transmitter is necessary the utilization of a battery of 12V. The max. distance between transmitter and receiving is of 10 meters, with battery of the transmitter to the 100 % with load. Nevertheless, we recommend to put the transmitter, on-site sure outside of the track, between 2 minimal meters and 7 maximum meters to the step of the vehicle. All the transmitter Power Lap issue in the same channel.

The duration of a battery 12v/1.3HA to the 100% with its loads, it is of approximately 50 hours.

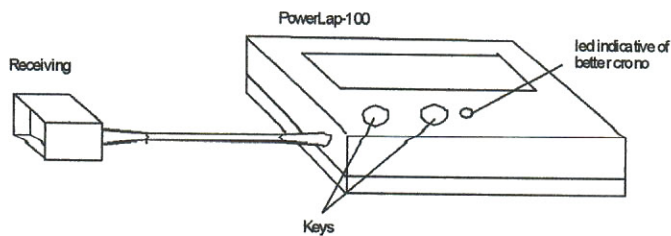


Figura 1.

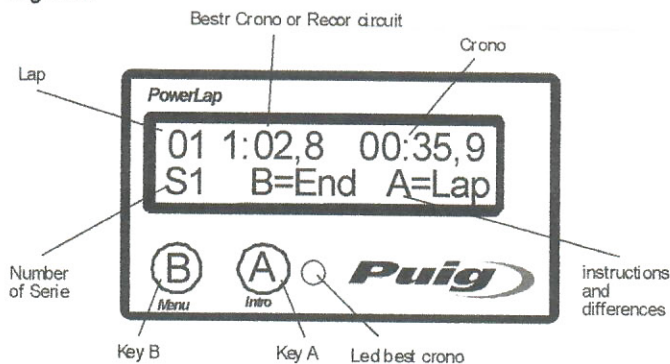


Figura 2.

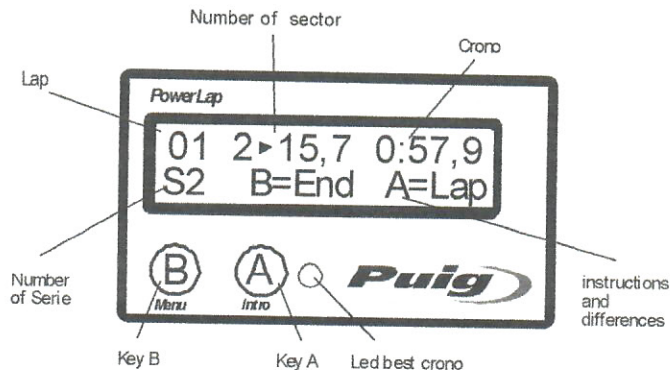


Figura 3.

Implementation and turned off of the equipment.

For the implementation or turned off of the PowerLap, to pulsate and to untie the two keys at the same time during 1 second also we have the function Auto Power Off , turned off automatic elapsed a time of unproductive.

Menus and Submenus

Taking crono or Taking sector

Followed act by the implementation, will appear us I number if you take that remain us free and after some seconds we happen to the menu of the takes of data, the one which passes to the condition of start pulsateing manually the key A , or automatically when go through before of the transmitter of infrared, giving cause for the visualization in live and by the following order of: return in the one which we find ourselves, better crono or record of track. and the time that we carry, for the configuration of takes of crono, to see figure 2. or well return in the one which we find ourselves, partial time and time that we carry, in the case of configuration as sector, to see figure 3.

To each step by the transmitter of infrared or well pulsateing the key A manually, it will appear us in screen the accomplished Laps, the best crono or sector (depending on selection), crono accomplished and in second line, differences with the previous return during the time programmed in the exposition menu of crono and thus successively until exhausting the report, that in such a case will appear us the report message fills. With key B we will happen to the menu screens.

Considerations: it will be lit the led blue 5 seconds in the event of accomplishing time the best of the day that remained reflected in the left upper part of the screen and two winking seconds in the event of improving the previous return.

If we accomplish an entry in BOX superior to 4 minutes, (without pulsateing the key B) will appear us in screen the message of BOX, that it will be recorded in report, in this condition the function Auto Power Off passes to 30 minutes, once we return to track, we will continue registering data.

Menu, Series Stores.

We have a maximum report 120 Lap, that in order to optimize it to the maximum, it has been designed so that is adjustment automatically to the shifts accomplished until the such report end, that it will be accurate the accomplishment of a RESET to return to capture times. Consequently, the system gives us to select that shift we want to visualize of those which may have recorded in report, once selected, we gone to revision the crono invested.

Menu Settings (Internal adjustments): this menu this compound of the following Submenus:

- **Display Crono:** We will adjust the time that the crono will stay congealed to the step by the transmitter so that the pilot could read it with comfort.
- **Reset Memory:** erased of crono stored.
- **Sector Crono:** we will select the option of sectors and we will configure I number it from 3 until 9 for a same Lap. Important, for each configuration change of crono to partial or conversely, it is accurate to accomplish a reset of report, that it will be requested automatically by the equipment, the not acceptance gives place to the not state change
- **Reset Hour's:** possibility of accomplishing a reset to the hours counted until the moment.
- **Record Circuit:** Manual introduction of the better crono that exist for that circuit, so that is converted into the frame of reference to beat for the pilot. If the crono has been introduced manually, it will appear the sign ‘??’ in the return and in the shift.

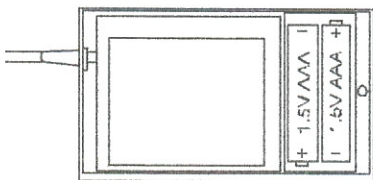
Menu Hour's Timer: from the one which will be able to consult the hours that we carry invested from the last reset, ideal for motor maintenance.

Batteries substitution.

For the substitution of the battery (formed by two batteries of 1.5v type AAA), we should remove the screw from the subsequent lid, to withdraw the used batteries and to substitute additionally new, to return to put the lid with your corresponding screw.

In the event of unproductive during long of time, is advised the withdrawal of the batteries.

All the internal configurations (exposition time of the crono, number of sector, Lap stores) can stay undisturbed until 10 years without batteries. The duration of the batteries is of approximately 3 months



Battery placement

Figura 4.

Low Battery detection of the transmitter.

With the battery between 100% and a 40% with load, the red light del transmitter, blinks with an interval of once by second, when the battery is below your 40 %, the winking reduces to once each 4 seconds, in this condition the distance reduces to 7 meters and remain us some three hours to exhaust completely the load with the battery.

Manual of use for the battery loader Power Lap (in the case of have acquired the Kit Power Lap).

The dear duration with load is of 2 to 3 hours (for battery 12v 1.3HA), during the load process, the red pilot stays lit while last the load, once concluded, the current fluid toward the battery reduces, and the pilot is turned off, in this state, there is no limit of time to disconnect the loader of the net of 220v ac.

It is not necessary, that the battery this totally release to return to cargarla.

Pay attention with the polarities upon connecting the battery for loads, Important: red cable +, black cable -. Not to provoke short circuit, neither to the loader nor to the battery.

- We detail below the following steps for the load process:
- 1º To connect the loader to the battery, observing the polarity, red cable of the loader to the positive of the battery.
 - 2º To connect the loader to the electrical current 220V AC, not to disconnect until the red pilot may have been turned off.
 - 3º To disconnect the loader of the electrical current, and to disconnect the battery.

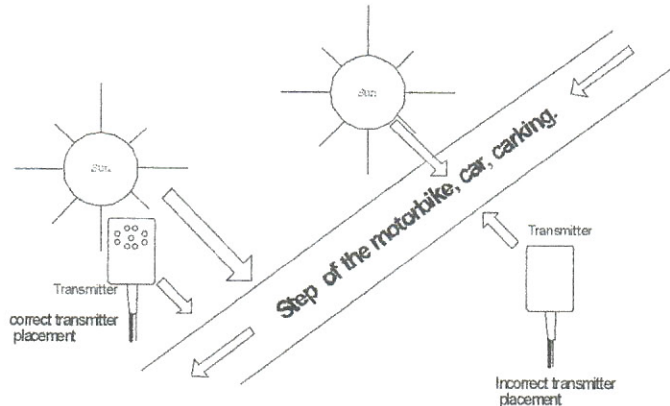


Figura 5.

Specifications:

- Dimensions: 105mmx59mmx25mm
- Weight: 130g
- Maximum Crono: 9:59,9
- Sector maximum: 59,9 Seconds
- Report: 120 Lap
- Angle of the transmitter: 50º
- Angle of the receiving: 90º
- Battery for the transmitter: 12Vcc
- Battery of the PowerLap: 2 batteries 1.5v AAA
- To protect of the intensive rain.

Guarantee.

All the products Power Lap have a 2-year-old guarantee. Remain excluded of the same, the breakdowns produced by breaks and improper manipulations of the equipment by third parties.

It is indispensable the presentation of the invoice for power to transact repairs in guarantee.

We recommend, it accompany the equipment with all their accessory and with a note with the address for return, name of the proprietary, contact telephone and short explanation of the breakdown.

The costs of the transportation, they will be trustworthy by the remitter of the equipment.