OPPAMA

Instruction Manual

PULSE
ENGINE HOURMETER
PET-3000DXR

CE RoHS

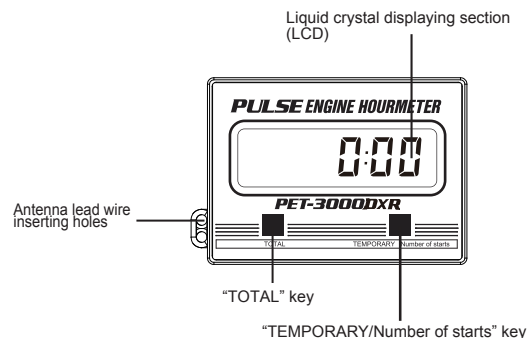This product may be changed without prior notice

●FUNCTION

1. The PET-3000DXR Pulse Engine Hourmeter is an hour meter that displays cumulative time by the hour and the minute in two ways, TEMPORARY and TOTAL when it is activated by the electric pulses produced at the time of the ignition of gasoline engines. By attaching to specific engine or engine devices, you can measure the actual driving time.
2. Example of use:
 ・To keep usage record of engine daily, weekly, monthly or longer span.
 ・To schedule regular inspection and regular maintenance of engine or engine device.
 ・To estimate rental/lease fee based on its actual driving time.
 ※It is possible that the Hourmeter might be a few minutes fast at the time of shipment.

●NAME OF PARTS

Liquid crystal displaying section (LCD)

Antenna lead wire inserting holes

"TOTAL" key

"TEMPORARY/Number of starts" key

●SPECIFICATIONS

Applicable Engines	All gasoline engines ※
Cumulative Time Display	TEMPORARY: 0:00 → 999:59 hr. min. OIL EXCHANGE PERIOD DISPLAY 95:00 ～ 99:59 95:00 blink 100:00 ～ 104:59 OIL → 100:00 Alternately lighting 105:00 ～ 999:59 OIL → 105:00 Alternately lighting(fast) TOTAL: 0:00 → 9999:59 hr. min. Number of starts: 0 → 999999 times
Battery Life	Approx. 20,000 hrs
Ambient Temperature	-20℃～ +60℃
Dimensions(L × W × H)	44 × 61 × 12 mm
Weight	31 g
Accessories	Antenna lead wire : 1 set Velcro tape : 1 pack Operation manual : 1 copy

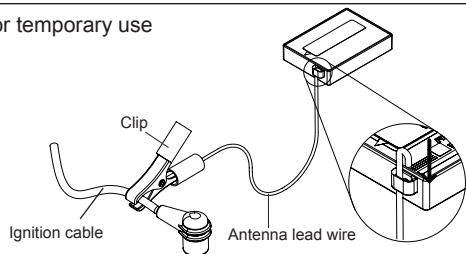※This unit cannot be used for diesel engines and direct ignition engine.

●HOW TO USE

1. Attach the antenna lead to the unit as illustrated.
2. Connect by winding the other end of the antenna lead around the ignition cable, and securing the winds with adhesive tape (for permanent use).
3. Press TOTAL key to set the unit in the long-term cumulative time count mode, where a six-digit such as `0000:00` will appear on the LCD.
4. Start the engine, and press TEMPORARY/Number of starts key to set the unit in the short-term cumulative time count mode, where a three-digit reading such as `0:00` will appear on the LCD, with the dots (:) blinking to indicate that the unit is being activated (i.e. in operation).
5. The unit will automatically turn off in one minute after the engine is stopped (or the antenna lead is removed from the active ignition cable). Where permanently connected with the ignition cable, the unit will automatically turn on and off as the engine is started and off, respectively.
6. To switch over from the TOTAL cumulative time reading to the current TEMPORARY cumulative reading, press the TEMPORARY/Number of starts key.
7. To switch over from the TEMPORARY cumulative time reading to the current TOTAL cumulative reading, press the TOTAL key.
8. To reset the TEMPORARY cumulative time, first display the current TEMPORARY cumulative time reading onto the LCD, then press both TOTAL and TEMPORARY/Number of starts keys simultaneously.
 (NOTE: TEMPORARY cumulative time count goes from `0:00` up to `999:59`, where it automatically reset to start the same cycle, unless manually cleared.) The TOTAL cumulative time count goes up from `0000:00` up to `9999:59`, where it automatically reset to start the same cycle. The TOTAL cumulative time stored cannot be manually cleared.
9. This unit has the function to inform the oil exchange period.
10. This unit has the function that displays the number of starts(Counter).
11. To switch over from the TEMPORARY cumulative time reading to the current Number of starts(Counter) cumulative reading, press the TEMPORARY/Number of starts key.
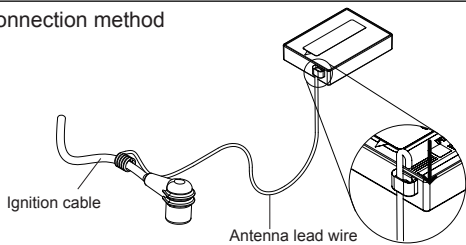12. To reset the Number of starts(Counter) cumulative time, first display the current Number of starts(Counter) cumulative time reading onto the LCD, then press both TOTAL and TEMPORARY/Number of starts keys simultaneously.
 (NOTE: Number of starts(Counter) cumulative time count goes from 0 up to `999999`, where it automatically reset to start the same cycle, unless manually cleared.)

For temporary use

Clip

Ignition cable   Antenna lead wire

Connection method

Ignition cable

Antenna lead wire

CAUTION

1. Do not allow the unit to touch any active high tension ignition cable to prevent possible damage to the unit.
2. Keep the antenna lead from the metal to avoid the malfunction.
3. It is proof against rain and splash but not for use underwater. When it gets wet, wipe it promptly with dried cloth.
4. Keep this unit away from strong physical shocks.
5. This unit cannot be disassembled.
6. If there is any doubt that the Hourmeter broke down, first, operate the device following the instruction manual. If it cannot be fixed, please contact the dealer where you purchased the unit or Oppama Industry Co., Ltd. We are not responsible for any damage caused by the unreasonable repair or disassembly of device by yourself or third party.
7. Use plug with resistor. By using plug without resistor, the Hourmeter will be reset with strong noise of ignition.

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