# MOTOGROUP

# MOTO TIMER -V

**Vibration activated engine hour meter**
**With lock function**

**Does not need an engine**

## Application:
- Vibration activated
- Does not need an engine
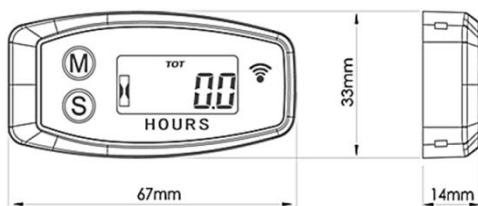- For motor operated engines and garden tools

## Connectivity:
- Attachment on vibration surfaces

## Function:
- Total engine hours not resettable
- Job-Timer, resettable
- Indication range: 0,1 – 99.999h
- Resolution: 1/10h = 6min.
- Sensitivity adjustable
- Auto lock time is adjustable (11 sec. – permanent LCD display)
- The hour meter can be locked to prevent the unit from accumulating time while in transit or from unwanted vibration

## Technical data:

| | |
|---|---|
| **Dimensions:** | 67mm x 33mm x 14mm |
| **Weight:** | 33g |
| **Housing:** | ABS, plastic shock-proof , water- and impact resistant, IP68 |
| **Display:** | LCD-Display 13mm x 28mm |
| **Temperature range:** | -20°C - +70°C |
| **Power supply:** | Internal battery (CR2430) Battery life > 5 years, Internals 100% encapsulated |
| **Certificates:** | RoHS, CE, REACh WEEE - 20128785, REACh |
| **Article number:** | MT-V |

## Installation:
1. Use the double-sided adhesive tape to mount the meter
2. Press the buttons M + S simultaneously, to activate the meter for the first time.
3. Start the engine or shake the meter. If the hourglass flashes on the LCD screen, the product is installed correctly.

## Settings:
### 1. The setting of sensitivity
At the timing display interface, Press "M" three times to show "SEN-L" on LCD. The default "SEN-L" low sensitivity Long press "S" for 2 seconds, "L" flashes on LCD. Short press "M" or "S" to adjust sensitivity.
Press "M" and "S" button to save and exit from sensitivity setting interface.
Hour meter lock: Press the "M" button until display shows "TOT". Press and hold the "M" button and the "S" button simultaneously until display shows "LOC". Press "M+S" again to restart the meter.

### 2. The setting of LOCK MODE (11-60s or OF)
At the timing display interface, short press "M" to show the AUTO LOCK time on LCD. The default setting of LOCK time is "Sc-11". Press "S" button for 2 seconds to enter into setting mode.
Short press the button to setting AUTO LOCK time. If you short press the "S" button, the number will add 1. The number will decresase 1 if you short press the "M" button.
Long press the button to setting AUTO LOCK time. If you long press "S" button, the number change s 2 times per second and add 5 every time. If you long press "M" button, the number change s 2 times per second and decrease 5 every time.
**After the setting, short press "M" and "S" button to save the setting.**
**If the setting is "Sc-OF", the function of AUTO LOCK MODE will be closed. The LCD will be on all the time and will affect the service life of the battery.**

### 3. Reset partial hours (Job-timer)
Short press "S" button to select partial timing, adjusting between "TOT – JOB – JOB1" interface. At the "JOB" interface, long press "S" for 2 secondes to reset "JOB" partial hours to zero. At the "JOB1" interface, long press "S" for 2 seconds to reset !JOB1" partial hours to zero.

If the meter does not work properly, please set the sensibility on"high" and check if the meter is fixed correctly.
**Never drill into gas tanks, engine crankcase or other hazardous material containers! Contact a qualified dealer if in doubt. Always ware safety glasses while installing. The mounting area should not exceed 65°C. This engine hour meter is not a toy! Keep away from children.**