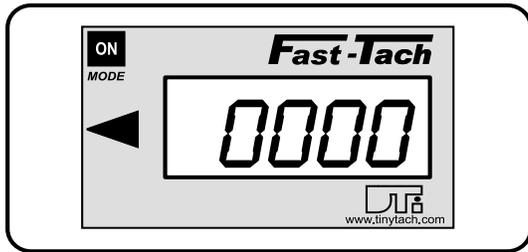


Fast-Tach

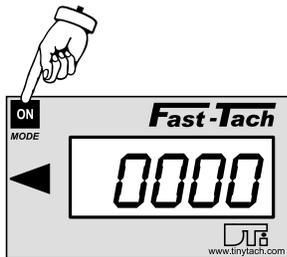
Wireless Tachometer



The **Fast-Tach** is "Pulse" activated tachometer - i.e. the pulses generated by the ignition system on any gasoline engine can be detected and activate the electronic tachometer. The tach can be set to display proper RPM on a single cylinder as well as multi cylinder, two or four cycle, engine. By aiming the tach towards the spark plug at a distance of approx. 0 to 15 inches (0 to 35 cm) the tach will display proper engine RPM. The tach can also display the MAXIMUM RPM recorded after checking the RPM of an engine.

- Features:**
- Activation:** Pulses from the ignition triggers the **Fast-Tach** to read engine RPM. **Fast-Tach** can be set to properly record any single or multi cylinder engine, 2 or 4 cycle by changing the display mode (see advanced operation pg2). Default setting is 1 pulse per revolution (360°) adjustable to 1 pulse per every 2 revolutions (720°) or 2 pulses per revolution (180°)
 - Accuracy:** +/- 10 rpm in default mode and +/- 20 in 720° mode. Display updated every 0.5 seconds
 - Max reading:** 19,990 RPM
 - Battery:** Lithium 3V (CR2430) - Replacable

Basic operation:



1. To start the **Fast-Tach** push the ON button and the **Fast-Tach** is ready to display the actual RPM of an engine that produces 1 spark per revolution (*to change spark pulses per revolution see page 2*). Hold the tach 0 to 15 inches (0 to 35 cm) from the spark plug.)



2. **Fast-Tach** will save the Maximum rpm that the unit has read. To view press the On/Mode button and the "MAX" will appear on the display (*to reset MAX rpm see page 2*)



3. **Fast-Tach** will turn OFF automatically after 1 minute.

See back for advanced operations →

LIMITED WARRANTY: Design Technology, Inc. warrants that for a period of ONE (1) YEAR from the time of purchase it will repair or replace the **Fast-Tach** at no charge, if it fails to function properly due to defect in materials or workmanship. Damage due to improper care or use is expressly excluded from this warranty. All implied warranties are limited to the use of this instrument as directed above and Design Technologies does not assume of or authorize anyone to assume for it any other obligation. The instrument should be returned, prepaid to Design Technology Inc. for warranty consideration



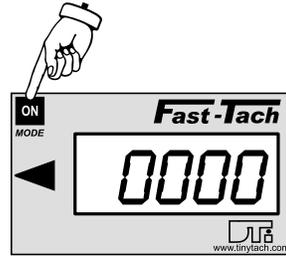
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Fast-Tach

Advanced Operation

Resetting the “Maximum RPM”.

1. *Fast-Tach* must be on and in RPM mode (0000 on the display)



2. Push and hold the ON/MODE button, the display first shows “MAX” continue holding ON/MODE button till the word “RESET” appears then let go.



3. The display will show “0000” after another second and the MAX RPM is now reset to 0000.



RPM Set-up:

Determine the amount of pulses (sparks) per engine revolution. Most common is 1 spark per revolution - (360° default setting).

If you are unsure which setting your engine needs, start the engine and read the RPM with *Fast-Tach*. If you know the idle speed is normally 1200 rpm and the *Fast-Tach* reads 600 rpm then your engine has a spark every second revolution. You need to change RPM mode to 720°

| | |
|---------------------------|---------------------------------|
| ▲ To Decrease RPM Reading | 45° = 8 sparks per revolution |
| | 60° = 6 sparks per revolution |
| | 90° = 4 sparks per revolution |
| | 120° = 3 sparks per revolution |
| | 180° = 2 sparks per revolution |
| | 360° = 1 spark per revolution |
| | 720° = 1 spark per 2 revolution |

Adjust RPM reading as follows:

1. *Fast-Tach* must be on and in “RPM mode



2. Press and release ON/Mode button until “FUNC” appears, (do not release button) continue holding button until “RESET” appears then release button and the display will show only “FUNC”. Press and release ON/Mode button to toggle between modes (720° 360° 180° 120° 90° 60° 45°) until desired mode is displayed, release button wait 5 sec. the RPM mode is changed and the unit will display “0000” and is ready to read engine RPM.



TIP:

Remote Pulse Pickup

Loop a piece of wire around ignition lead wire and lay *Fast-Tach* on top of the wire. *Fast-Tach* should now read normally

