# Ignition Use Mini Tachometer

G.T.POWER®

Thank you for purchasing our products, this product is a professional engine speed tester which is durable, easy to operate, small volume and light weight. It uses intelligent MCU to control and can work very steadily. It's an essential tool for model aircraft lovers.

## 【Using range】

It applies to Rcexl series ignition, in the market the engines which use Rcexl ignition are DLE series, MT gas engine and so on.

## 【Product features】

1. Use PIC16F628a microcontrollers.
2. Small volume, convenient to carry.
3. Do not need batteries, power from itself.
4. Standard FUTABA plug (Black- Negative, Red-Positive and White-Signal).
5. Use 4 digital tube to monitor the engine's speed.
6. Mini tachometer indicates up to 30000rpm.
7. Actual RPM= Display Digital x 10.
8. Increased self test feature.

## 【Product list】

1. A engine tachometer. 2. A piece of Y cable. 3. A piece of manual.

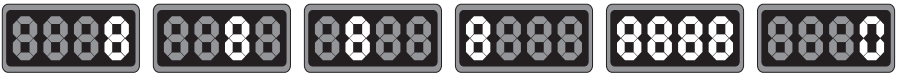
## 【Product specifications】

1. Working voltage: 3V-12V.
2. Working current: 25 mA-60mA.
3. Weight: 15g.
4. Size: 54mmL x 20mmW x 15mmH.

## 【Operation steps】

1. Use the Y cable, connect the hall sensor with the ignition in series.
2. The tachometer plug the other end with of Y wire.
3. Connected to ignition power supply and RPM could be displayed directly.

## 【Display interface when turns on】



## 【Notes】

1. If there is interference form the ignition system, tachometer displays 0 or arbitrary values, this can check the ignition system RF.
2. Cannot guarantee that other types of ignition suitable for the tachometer and guarantee accuracy.
3. Fix up the connect plugs to avoid fall off by any vibration.
4. Keep the hall sensor and tachometer wire leave away from the ignition high-voltage wire, and receiver Wires over 30 cm.
5. Please keep this manual for viewing at any time.

## 【Warranty and service】

We warrant this product for a period of one year (12 months) from the date of purchase. The guarantee applies only to such material or operational defects, which are present at the time of purchasing the product. During that period, we will replace without service charge any product deemed defective due to those causes. You will be required to present proof of purchase (invoice or receipt). This warranty does not cover the damage due to wear, overloading, improper handling or using of incorrect accessories.

# 發動機轉速表

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感謝您購買我們公司的產品，本產品是一款經久耐用，操作簡單，體積小，重量輕的專業發動機轉速測試儀。它采用智能MCU控制，工作非常穩定，是航模愛好者的必備工具。

**【運用範圍】**

適用于RcexI系列點火器，市場上采用RcexI點火器的發動機有DLE系列，MT汽油引擎等。

**【產品特點】**

1. 采用PIC16f628a微型控制器。
2. 體積小，携帶方便。
3. 采用發動機自身供電，不需要單獨另接電源。
4. FUTABA標準接口（黑色-負極，紅色-正極，白色-信號輸入口）。
5. 采用4位數碼管實時監測發動機轉速。
6. 最大測量轉速可達30000RPM。
7. 實際的RPM＝數碼管顯示的數字X10。
8. 增加了自檢功能。

**【產品清單】**

1. 發動機轉速表1臺；　2. Y綫一根；　3. 說明書一份。

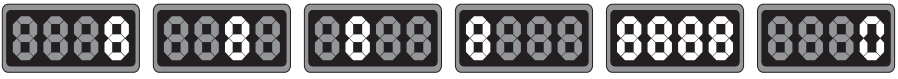
**【產品參數】**

1. 工作電壓：3V-12V。
2. 工作電流：25mA-60mA。
3. 重量：15g。
4. 尺寸：54mmL x 20mmW x 15mmH。

**【操作步驟】**

1. Y綫在霍爾傳感器和點火器之間串聯;
2. 轉速表接入Y綫的另一端;
3. 連接到點火器電源就可以直接顯示轉速。

**【開機顯示界面】**



**【注意事項】**

1. 如果有來源于點火系統的干擾，轉速表顯示為0或其它隨意數值，這可以檢查點火系統的射頻（RF）。
2. 不能保證其它類型的點火器可以適用本測速儀和數據的準確性。
3. 為了避免震動致使連接綫脫落，連接插頭需要固定好。
4. 霍爾傳感器和轉速表綫要遠離點火器高壓綫，并且接收綫要大于30cm。
5. 請妥善保管本說明書，以便隨時查閱。

**【保修條款】**

我們對所購買的產品質量保1年（12個月），自購買之日起。這個質保只適用于產品在購買后出現產品質量問題。在產品保修期間，只要你憑借購買憑證（發票或收據）一切有質量問題的產品都可以免費維修或更換。但由于磨損，超負荷，人為操作不當或者配件的錯誤使用所造成的損壞，則不予以免費維修或替換。