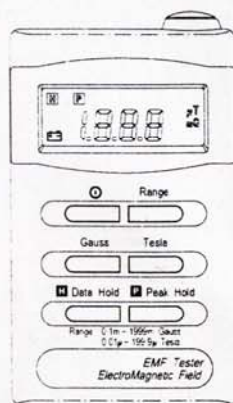


TES 高斯表

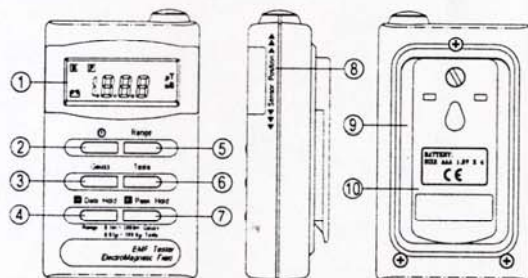
TES-1390

使用說明書



泰仕電子工業股份有限公司

5. 各部名稱及功能



① 顯示面板	⑤ 微泰斯拉單位切換按鈕
② 電源開關	⑦ 峰值鎖定按鈕
③ 毫高斯單位切換按鈕	⑧ 感應線圈位置
④ 資料鎖定按鈕	⑨ 電池蓋
⑤ 量測範圍選擇按鈕	⑩ 掛架

1. 特點

- ◆ 提供一快速、可靠和容易的方法來量測環繞在電線、家電和工業設備的電磁場輻射等級。
- ◆ 物超所值、攜帶方便，並可準確量測低至 50Hz/60Hz 電磁場輻射的不同頻寬。
- ◆ 可同時顯示微泰斯拉及毫高斯二種單位。
- ◆ 具有資料鎖定、峰值鎖定功能。
- ◆ 設計符合 CE。

2. 應用

- ◆ 高斯表是特別設計來量測電線、電腦螢幕、電視機、錄放影機等類似設備產生的電磁場輻射強度。

3. 曝露在電磁場的警告

據某些科學家聲稱，長期間曝露在電磁場中，可能導致幼兒白血病和其他癌症的原因。

上面所述雖未被完全的證實，但避免長時間過度的曝露是目前大部份人的共識。

像美國環保署所指定的“謹慎的躲避”是被推薦的。

6. 測量程序

- 1). 按下電源開關，並設定“Range”、“Gauss”、“Tesla”按鈕來符合量測範圍要求，並開始準備測量。
由於環境磁場干擾，這錶在量測前可能有顯示讀值，例如：少於 0.5 毫高斯，這並不是錶發生故障。
- 2). 將錶握在手上，慢慢移動接近待測的物品，直到實際上接觸到。
※ 注意：您愈靠近這待測物品，電磁場強度也會隨之增大。
- 3). 在測量中，試著改變高斯表對待測物品的角度，以得到最大的讀值。
- 4). 如果這待測物品在測量中被關掉電源，這高斯表讀值應該回復至零狀態，除非是有其他的干擾源。

7. 推薦

建議您定期檢測您的家庭和職業場所的電磁場，在檢出最強的地方，重新佈置您的居住環境和工作場所，以避免長時間曝露在過量的電磁場中。

4. 規格

讀值顯示：	3-1/2 位液晶顯示器，最大讀值 1999
檔位：	200/2000 毫高斯 20/200 微泰斯拉
解析度：	0.1/1 毫高斯 0.01/0.1 微泰斯拉
頻寬：	30 Hz 到 300 Hz
感測頭：	單軸
準確度：	± (3%+3 位) 在 50Hz / 60Hz
過載顯示：	LCD 顯示 “OL”
取樣時間：	約 0.4 秒
電池：	4 顆 AAA 鹼性電池 (限用鹼性電池)
電池壽命：	約 60 小時
操作溫度和濕度：	0°C 到 40°C (32°F 到 104°F) 相對濕度 80% 以下
操作溫度和濕度：	-10°C 到 60°C，相對濕度 70% 以下
重量：	約 165 公克
尺寸：	111(長) × 64(寬) × 34(高) mm
附件：	說明書、4 顆 AAA 鹼性電池

8. 電池更換

- 1). 當 LCD 左下角顯示 “ ”符號，表示現在電池電壓剩下 4.0V ~ 4.5V 此時更換電池是需要的，無論如何這時還能量測一些時間直到不能正常的開機為止。
- 2). 打開錶背面的電池蓋，並移除電池。
- 3). 換上 4 顆 AAA 鹼性電池並裝上電池蓋。

TES

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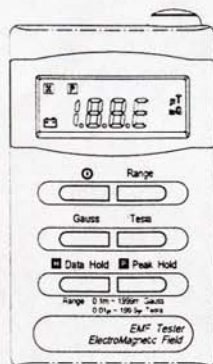
傳真: (02) 2799-3669

電子郵件: t257@ms21.hinet.net

網址: <http://www.tes.com.tw>

TES ElectroMagnetic Field Tester (EMF Tester)

TES-1390 INSTRUCTION MANUAL



TES ELECTRICAL ELECTRONIC CORP.

- Number of Axis : Single axis
- Band Width : 30 Hz to 300 Hz
- Accuracy : $\pm (3\%+3d)$ at 50Hz or 60Hz
- Over-Input : Display shows "OL"
- Sampling Time : Approx. 0.4 second
- Battery : 4 pcs size AAA (Only Use Alkaline Battery)
- Battery Life : Approx. 60 hours.
- Operating Temp and Humidity : 0°C to 40°C (32°F to 104°F) below 80%RH
- Storage Temp and Humidity : -10°C to 60°C below 70%RH
- Weight : Approx. 165g
- Dimension : 111(L) x 64 (W) x 34(H) mm
- Accessories Included : Operation Manual , 4 pcs size AAA (Alkaline Battery)

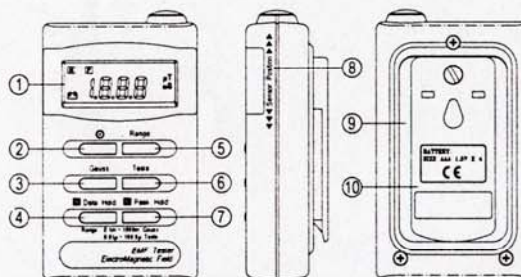
1. FEATURES

- ◆ The EMF tester is designed to provide user a quick, reliable and easy way to measure electromagnetic field radiation levels around power lines, home appliances and industrial devices.
- ◆ The EMF tester is a cost-effective hand-held instrument that was designed and calibrated to measure electromagnetic field radiation at different bandwidths down to 50Hz/60Hz.
- ◆ Display micro Tesla & milli Gauss in the same tester.
- ◆ Data hold/Peak hold function.
- ◆ Comply with CE.

2. APPLICATIONS

- ◆ This EMF tester is specifically designed to determine the magnitude of electromagnetic filed radiation generated by power lines, computer's monitor, TV sets, video machinery and many other similar devices.

5. NAME OF PARTS AND POSITIONS



1). Display panel	6). Micro Tesla button
2). Power button	7). Peak Hold function
3). Milli Gauss button	8). Sensor position
4). Data Hold function	9). Battery cover
5). Range selector button	10). Carrying clip

3. CAUTION OF ELECTROMAGNETIC FIELD EXPOSURE

Claims by some scientists that long term exposure to electromagnetic field may be the cause of childhood leukemia & other forms of cancer.

Complete answers to any of these and related questions are not currently available. At the present time, the most common practice is to avoid excess exposure over long period of time.

"Prudent Avoidance" as stated by the Environmental Protection Agency (EPA) USA is recommended.

4. SPECIFICATIONS

- Display : 3-1/2 digits. Max. indication 1999
- Range : 200/2000 milli Gauss
20/200 micro Tesla
- Resolution : 0.1/1 milli Gauss
0.01/0.1 micro Tesla

6. MEASURING PROCEDURE

- 1). Press the button of power and set the "Range", "Gauss", "Tesla" by pressing the buttons according to the measuring requirements. Tester is now ready to take the measurement.
- Due to the electromagnetic interference of the environment, the display reading may show the reading before testing, for example the reading would lower than 0.5m Gauss. This is not malfunction of the tester.
- 2). With the tester in hand, move slowly towards to the object under measurement until it is physically touched.
- ※ Notice how the field intensity increases as you move closer to the object.
- 3). Position the EMF tester at different angles to the object while measuring. Users would observe how this may affect your reading.
 - 4). By trying different angles approaching the object while measuring to get Max.

If the power of object was turned off during the measurement, the reading of EMF tester should return to zero, unless there is the electromagnetic from other sources are detected.

7. RECOMMENDATION

It is recommended to measure the presence of the electromagnetic field inside and outside of your home and business locations regularly.

As "hot spots" are detected by the EMF tester, re-arrangement of the living and working areas is lightly recommended. Always try the best to avoid long term exposure in the strong electromagnetic field.

8. BATTERY REPLACEMENT

- 1). When the left corner of the LCD display shows "  ", it indicates the output of battery is less than 4.0V ~ 4.5V.

Replacement of the battery is then needed. However, measurement could still be taken for next few hours before the tester is unavailable.

- 2). Open the battery cover at the back of tester and remove the battery.
- 3). Replace with four AAA-size alkaline batteries and reinstate the cover.



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