

AiSEMI simple Temperature Measurement System Manual

With array-typed thermopile module sensor and integrated prime lens, the AiSEMI simple can measure surface skin temperature accurately when used correctly. Please install the AiSEMI simple on the optional Tripod or placed on the table. Power on the system with a 5V_1A USB charger (Alkaline Batteries are only for backup). Position the person being evaluated at 50cm distance directly facing the AiSEMI simple for 1-3 seconds when used. **Distance will affect the result of temperature measurement.**

Please keep the system in a room with no draft (movement of air). For best results, avoid direct sunlight and away from radiant heat or AC vent. Please make sure that there is no 940nm light source in front of this product, such as sunlight, TV screen light, or camera with night vision function, etc.

If the body temperature exceeds 37.5°C or 99.5°F, AiSEMI simple will turn on a red light with a warning sound.

***To obtain accurate temperature measurement, please turn on the AiSEMI simple 15 minutes before being used to warm it up so the temperatures between system and the room temperature balance out.**

*** Please place the AiSEMI simple at 130cm height. Avoid strong lighting and away from radiant heat or AC vent.**

*** Position a floor sign at a fixed distance 50cm from the AiSEMI simple system, directly facing the camera before measurement.**

Out-of-the-box inspection:

(A) AiSEMI simple Main Body x1

(B) Type-C to USB Cable x1

(C) Positioning Sticker x1

(D) Tripod x1 (Optional)

(E) 5V_1A USB Adapter (Excluded)

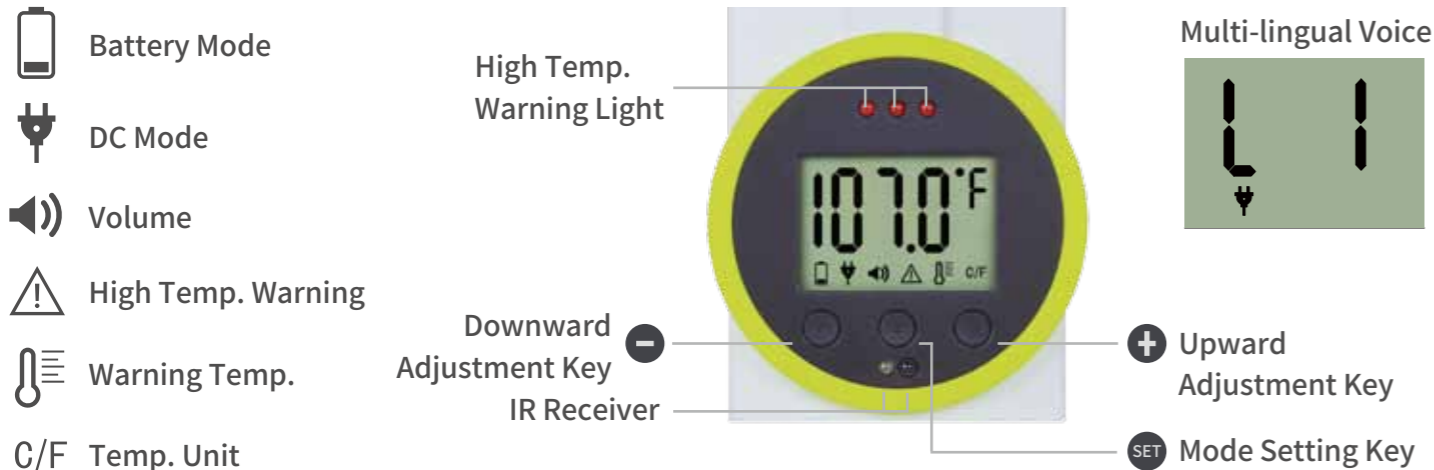


Turn (A) over, lift the back cover, connect (B) Type-C power cable or alternatively install batteries (4* AA Alkaline Batteries) for use.

(A) can be placed on the table (at a height of about 110cm) or installed on the tripod (D) (at a height of about 130cm.)



Button and Function Description :



After powering on, please press **+** upward adjustment key to turn on the machine, the screen will appear, and the red LED will light up and turn off automatically. Press **+** upward adjustment key and hold for 6 seconds to shut down the machine.



After pressing **SET** mode setting key, these settings can be made in sequence:

Temperature Unit, Warning Temperature, High Temperature Warning, Multi-lingual Voice, Volume.

1. Temperature Unit : One-click **SET** to C/F Temperature Unit icon. Press **+** or **-** to select the unit of °C (Celsius) or °F (Fahrenheit). After setting, press **SET** again or wait 5 seconds for it to finish automatically.

2. Warning Temperature : Double-click **SET** to Warning Temperature icon. This is the warning value of high temperature. Default is 37.5°C (99.5°F). Press **+** or **-** to select the warning value. When the temperature exceeds this value, AiSEMI simple will turn on a red light and give off a warning voice. After setting, press **SET** again or wait 5 seconds for it to finish automatically.

3. High Temperature Warning : Three-click **SET** to High Temperature Warning icon. This is to turn on/off the red LED light and voice reminder of high temperature. Press **+** or **-** to turn on or turn off. After setting, press **SET** again or wait 5 seconds for it to finish automatically.

3-1. Temperature Measurement Sensitivity Value Adjustment : Three-click **SET** to High Temperature Warning icon, first press and hold **-** (without letting go) and then press **+**, then the sensitivity value (factory setting is 130) will be displayed on the screen and then let go. The user can adjust the value according to their needs.

3-2. **Increase Sensitivity** : Some materials of clothing may absorb near-infrared rays, which may cause component test delay or distance measurement error. If this occurs, the sensitivity setting value can be increased.

Press **-** to decrease the value, **the lower the value, the higher the sensitivity. The higher the sensitivity, the longer the measurement distance is allowed**, and vice versa. After setting, press **SET** again or wait 5 seconds for it to finish automatically. During the adjustment process, user can carry out temperature measurement to see whether it conforms to the user environment until it is satisfied. ***It is recommend that the subject stand at 50cm from the machine to avoid temperature measurement errors.**

3-3. **Decrease Sensitivity** : Press **+** to increase the value, **the higher the value, the lower the sensitivity**. After setting, press **SET** again or wait 5 seconds for it to finish automatically.

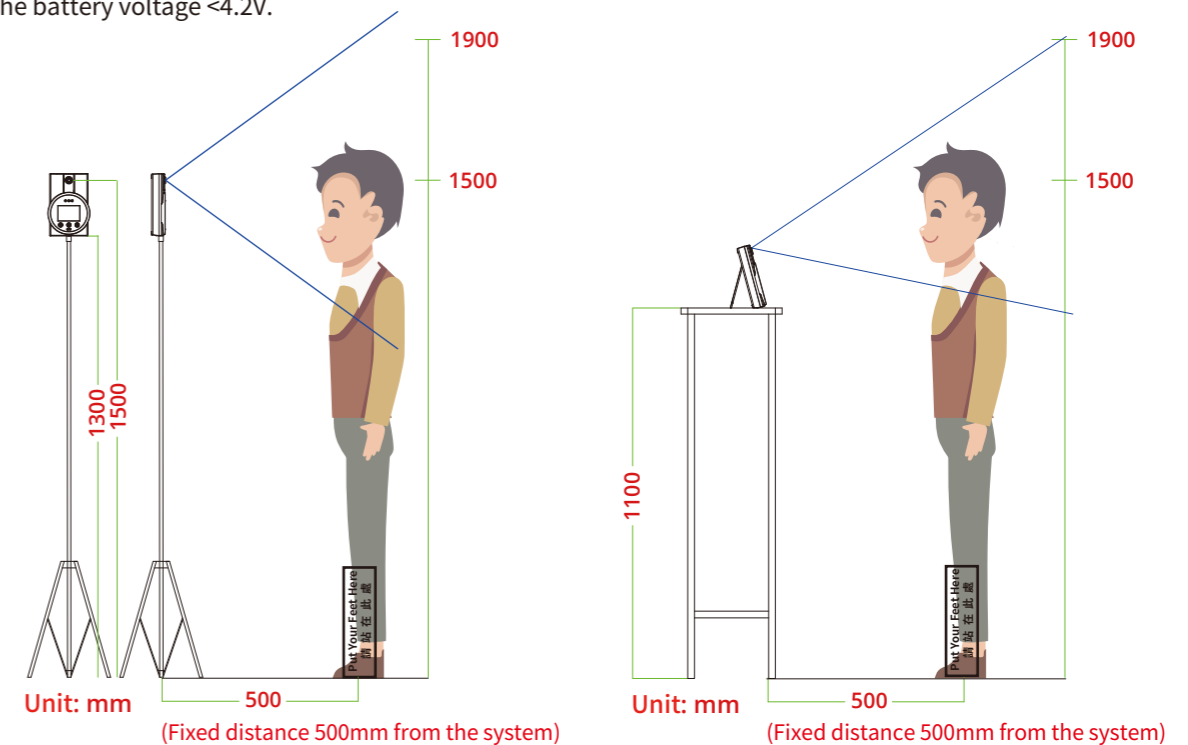
4. Multi-lingual Voice Prompts : Four-click **SET** to Multi-lingual Voice Prompts. When L 1 appears on the screen, press **+** or **-** to select language. The default language order is:

English (L1), Chinese (L2), French (L3), German (L4), Japanese (L5), Spanish (L6), Portuguese (L7), and Korean (L8). The default recognition voice is 'Hello' . After setting, press **SET** again or wait 5 seconds for it to finish automatically.

5. Volume : Five-click **SET** to Volume icon. Press **+** or **-** to adjust the volume level, 1 is mute, 5 is the loudest. After setting, press **SET** again or wait 5 seconds for it to finish automatically.

6. DC Mode : Six-click **SET** to Power icon. This is the symbol that appears when the device uses DC power. **(Please prepare your own USB charger above 5V_1A.)**

7. Battery Mode : Seven-click **SET** to Battery icon. This is the symbol that appears when the device uses batteries. If the battery voltage <4.6V, the battery symbol will flash, and it is recommended to replace the battery. It will automatically shut down after a beep sound (1 second) when the battery voltage <4.2V.



AiSEMI simple 人體測溫系統使用說明書

AiSEMI simple 使用陣列式溫度檢測傳感零件與定焦鏡頭，請使用5V_1A USB 充電器通電(鹼性電池僅做為備用)，將AiSEMI simple安裝在腳架上或置放於台面上，站在距離系統**50cm**處，停留1~3秒量測溫度。**距離遠近會影響量測溫度的結果。**

適用於室內無風環境，請避免光線直射與避開空調出風口。請確定本產品前方不能有940nm光線的光源，如：太陽光、電視機螢幕、或具有夜視功能的攝影機等。

如果體溫超過 37.5°C或 99.5°F，AiSEMI simple會亮紅燈與發出警示聲。

***測溫設備開機且與室溫進行熱平衡後(約15分鐘)，量測溫度才會更準確。**

***測溫設備請安裝於約130cm高度位置，避免光線直射、反射與出風口處。**

***測溫時可將定位貼紙貼於地上距離50cm處量測，免低頭，免貼近。**

■ 確認包裝內容物是否正確

(A) AiSEMI simple 本體 x1

(B) Type-C to USB 電源線 x1

(C) 定位貼紙 x1

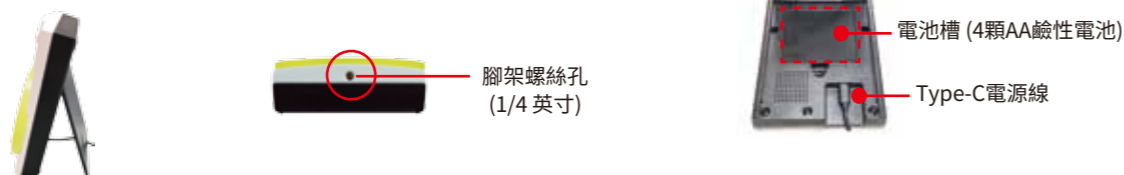
(D) 腳架 x1 (選配)

(E) 5V_1A USB 充電器 (需自購)



■ 將(A)翻到背面，掀開背蓋，連接Type-C電源線(B)或安裝電池(4顆AA鹼性電池)使用。

■ 可將(A)置放於桌上(高度約110cm)或安裝於腳架(D)上使用(高度約130cm)。



■ 按鍵與功能說明如下圖：



■ 通電後請按一下 **+** 向上調整鍵開機，螢幕會出現畫面，紅光LED燈會亮起後自動熄滅。長按6秒 **+** 向上調整鍵則關機。



■ 按下 **SET** 模式設定鍵後，可依序進行各項設定：溫度單位、警示溫度、高溫警示、多國提示語、音量。

1. 溫度單位：按1下 **SET** 模式設定鍵進入 C/F 溫度單位後，按下 **+** 或 **-** 可選擇°C(攝氏) 或°F(華氏)單位。設定完成後可再按一次 **SET**，或是等待5秒自動完成。

2. 警示溫度：按2下 **SET** 模式設定鍵進入 高溫警示溫度後，預設溫度為 37.5°C (99.5°F)。按下 **+** 或 **-** 可調整設定值。當溫度高於設定值時，AiSEMI simple會亮紅燈與語音提醒溫度異常。設定完成後可再按一次 **SET**，或是等待5秒自動完成。

3. 高溫警示：按3下 **SET** 模式設定鍵進入 高溫警示後，此為開啟或關閉高溫時LED紅燈與溫度異常語音提醒。按下 **+** 或 **-** 可選擇 ON 開啟 或 OFF 關閉。設定完成後可再按一次 **SET**，或是等待5秒自動完成。

3-1. 測溫靈敏度調整：按3下 **SET** 模式設定鍵進入 高溫警示後，先長按住(不放手) **-**，再按 **+**。此時螢幕上會顯示靈敏度數值(出廠預設值為130)後放開，使用者可依實際需要進行調整。

3-2. 提高靈敏度：因部分材質的衣物可能會吸收近紅外線而造成判定延時或距離判知錯誤，此時可提高靈敏度設定值。按下 **-** 降低數值，數值越低表示靈敏度越高；靈敏度越高可測量距離則越遠，反之亦然。設定完成後可再按一次 **SET**，或是等待5秒自動完成。調試過程中可進行測溫，確認是否符合使用者環境，直至滿意為止。***最佳距離為50公分，以避免測溫錯誤。**

3-3. 降低靈敏度：按下 **+** 增加數值，數值越高表示靈敏度越低。設定完成後請再按一次 **SET**，或是等待5秒自動完成。

4. 多國提示語：按4下 **SET** 模式設定鍵進入多國提示語後，當畫面出現 L 1時，按下 **+** 或 **-** 可選擇語言。預設語言順序依次為：英文(L1)、中文(L2)、法文(L3)、德文(L4)、日文(L5)、西班牙文(L6)、葡萄牙(L7)、韓文(L8)。預設辨識語音為「你好」。設定完成後可再按一次 **SET**，或是等待5秒自動完成。

5. 音量：按5下 **SET** 模式設定鍵進入 音量設定後，按下 **+** 或 **-** 可調整音量大小聲，1為靜音，5為最大聲。設定完成後可再按一次 **SET**，或是等待5秒自動完成。

6. DC 電源模式：按6下 **SET** 模式設定鍵為 DC電源模式，此為設備使用DC電源時會出現的符號(請自備5V_1A 以上USB充電器)。

7. 電池模式：按7下 **SET** 模式設定鍵為 電池模式，此為設備使用電池時會出現的符號。若電池電壓 <4.6V時， 電池符號會閃爍，並建議更換電池；當電池電壓<4.2V時，則會發出Beep聲(1秒)後自動關機。

