

SIRUBA

電控參數說明書

ELECTRONIC CONTROL PARAMETER MANUAL

■ 700N ECM & SCT & SCF



CE

700N 系列系列說明書

⚠安全指示

- 1) 在安裝或使用本產品前，使用者必須詳細閱讀本操作手冊。
- 2) 本產品須由受過正確訓練的人員來安裝或操作。安裝作業時必須關閉所有電源，切記不可帶電操作。
- 3) 所有標有 ⚠符號的指示，必須特別注意並按照說明書上的執行，以免造成不必要的損害。
- 4) 為安全起見，禁止以延長線作電源座供應二項以上的電器產品使用。
- 5) 在連接電源線時，必須確定工作電壓低於 AC 250V，且符合本產品標識中規定的額定電壓值。
※注意：電控箱電源規格如為 AC220V 時，請勿插接至 AC380V 的電源插座上，否則將出現異常且電機無法動作。此時請立即關閉電源開關，重新檢查電源。持續供應 380V 超過五分鐘以上，將可能燒損電控箱內器件，而危及人身安全。
- 6) 請不要在日光直接照射的場所、室外及室溫 45°C 以上或 0°C 以下的場所操作。
- 7) 請不要在暖氣（電熱器）旁、有露水的場所及在相對濕度 10% 以下或 90% 以上的場所操作。
- 8) 請不要在灰塵多的場所、具有腐蝕性物質的場所及有揮發性氣體的場所操作。
- 9) 請注意所有電源線、信號線、接地線等接線時不要受壓或過度扭曲，以確保使用安全。
- 10) 電源線的接地端須以適當大小的導線和接頭連接到生產工廠的系統地線，此連接必須永久固定。
- 11) 所有可轉動的部分，必須以所提供的零件加以防範露出。
- 12) 在安裝完成第一次開電後，先關閉切線功能以低速操作縫紉機並檢查轉動方向是否正確、運轉是否穩定。
- 13) 在進行以下操作前，請先關閉所有電源：
 1. 在控制箱與馬達上插拔任何連接插頭時。
 2. 穿針線時。
 3. 翻抬縫紉機機頭時。
 4. 修理或做任何機械上的調整時。
 5. 機器閒置不用時。
- 14) 修理或高層次的保養工作，僅能由受過訓練的機電技師來執行。
所有維修用的零件，須由本公司提供認可，方可使用。
- 15) 使用本產品請遠離高頻電磁波和電波發射器等，以免所產生的電磁波干擾伺服驅動裝置而發生誤動作。
- 16) 請不要以不適當物體來敲擊或撞擊本產品及各裝置。

保修期限

本產品保修期限為購買日期起一年內或出廠月份起兩年內。

保修內容

本產品在正常情況使用且無人為操作失誤的前提下，於保修期間無償為客戶維修使能正常操作。


但以下情況於保修期間將收取維修費用：

1. 不當使用包括誤接高壓電源、將產品移做其它用途、自行拆卸、維修、更改、或不依規格範圍使用、進水進油及插入異物於本產品。
2. 火災、地震、閃電、風災、水災、鹽蝕、潮濕、異常電壓及其它天災或不當場所造成的損害。
3. 客戶購買後摔落本產品，或客戶自行運輸（或託付運輸公司）造成的損害。

* 本產品在生產及測試上皆盡最大努力和嚴格控制使其達到高品質及高穩定的標準，但外部的電磁或靜電干擾或不穩定的供應電源，仍可能對本產品造成影響或損害，因此操作場所的接地系統一定要確實做好，並建議使用者安裝故障安全防護裝置（如漏電保護器）。

700N Series Manual Instructions

Safety Instructions

- 1) Before installing or using this product, users must thoroughly read this operation manual.
- 2) This product must be installed or operated by properly trained personnel. All power sources must be turned off during installation, and live operation is strictly prohibited. °
- 3) Pay special attention to instructions marked with the symbol  and follow the manual to avoid unnecessary damage.
- 4) For safety, do not use an extension cord to power more than one electrical device.
- 5) When connecting the power cord, ensure the operating voltage is below AC 250V and matches the rated voltage specified on the product label.
Note: If the control box power specification is AC 220V, do not connect it to an AC 380V power outlet, as this will cause abnormalities and prevent the motor from functioning. Immediately turn off the power switch, recheck the power source, and note that supplying 380V for more than five minutes may damage components in the control box, posing a risk to personal safety.
- 6) Do not operate the product in direct sunlight, outdoors, or in environments above 45°C or below 0°C.
- 7) Avoid operating near heaters, in areas with dew, or in locations with relative humidity below 10% or above 90%.
- 8) Do not operate in dusty environments, areas with corrosive substances, or locations with volatile gases.
- 9) Ensure that power cords, signal lines, and grounding wires are not compressed or excessively twisted to maintain safe operation.
- 10) The grounding terminal of the power cord must be connected to the factory' s system ground using appropriately sized wires and connectors, and this connection must be permanently fixed.
- 11) All rotating parts must be safeguarded with the provided components to prevent exposure.
- 12) After installation and initial power-on, disable the thread-cutting function, operate the sewing machine at low speed, and check if the rotation direction is correct and operation is stable.
- 13) Turn off all power sources before performing the following:
 - 1.Inserting or removing any connection plugs from the control box or motor.
 - 2.Threading the needle.
 - 3.Lifting the machine head.
 - 4.Performing repairs or mechanical adjustments.
 - 5.When the machine is idle.
- 14) Repairs or advanced maintenance must only be performed by trained electromechanical technicians. Only parts approved by the company may be used for repairs.
- 15) Keep the product away from high-frequency electromagnetic waves or radio transmitters to prevent electromagnetic interference from causing servo drive malfunctions.

16) Do not strike or impact the product or its components with inappropriate objects.

Warranty Period

The warranty period for this product is one year from the purchase date or two years from the manufacturing date.

Warranty Coverage

Under normal use and without user error, the product will be repaired free of charge during the warranty period to ensure normal operation.

However, repair fees will be charged during the warranty period in the following cases:









Improper use, including connecting to high-voltage power, using the product for unintended purposes, unauthorized disassembly, repair, modification, use outside specified conditions, water or oil ingress, or insertion of foreign objects.









Damage caused by fire, earthquake, lightning, wind, flood, salt corrosion, humidity, abnormal voltage, or other natural disasters or improper environments.

Damage resulting to dropping the product after purchase or during customer-arranged transportation (or through a third-party transportation company).

*This product is manufactured and tested with utmost care and strict quality control to ensure high quality and stability. However, external electromagnetic or static interference, or unstable power supply, may still affect or damage the product. Therefore, ensure the grounding system in the operating environment is properly implemented, and it is recommended to install safety devices (e.g., residual current devices).

1. 操作面板按鍵功能說明 Description of Control Panel Button Functions

序號 No.	圖示 Icon	名稱 Name	功能說明 Function Description
1		功能參數編輯按鍵 Function Parameter Editing Key	<p>1. 一般模式介面下，長按 P 鍵進入“使用者參數設置”介面</p> <p>2. 按住 P 鍵開機進入“高級參數設置”介面</p> <p>3. 參數設置介面下，點擊 P 鍵返回主介面</p> <p>1. In normal mode, long-press the P key to enter the "User Parameter Settings" interface.</p> <p>2. Hold the P key while powering on to enter the "Advanced Parameter Settings" interface.</p> <p>3. In the parameter settings interface, tap the P key to return to the main interface.</p>
2		參數查看保存鍵 Parameter View and Save Button	<p>1. 參數設置介面下，按 S 鍵保存設置</p> <p>2. 一般模式介面下，按 S 鍵切換語言</p> <p>1. In the parameter settings interface, press the S key to save settings.</p> <p>2. In normal mode, press the S key to switch languages.</p>
3		加鍵/快速鍵 Increase (Speed) Button	<p>增大參數/提高運行速度</p> <p>Increases parameter values or operating speed.</p>
4		減鍵/減速鍵 Decrease (Speed) Button	<p>減小參數/降低運行速度</p> <p>Decreases parameter values or operating speed.</p>
5		左鍵/LED+ Left Button/LED+	<p>查看上一項參數/增加 LED 燈亮度</p> <p>Views the previous parameter or increases LED brightness.</p>
6		右鍵/LED- Right Button/LED+	<p>查看下一項參數/降低 LED 燈亮度</p> <p>Views the next parameter or decreases LED brightness.</p>
7		剪線鍵 Thread Cutting Button	<p>點擊此鍵實現：剪線關閉、前剪線開、後剪線開、前後剪線開的迴圈切換</p> <p>長按此鍵 3 秒進入剪線相關參數設置介面</p> <p>Tap this button to cycle through: thread cutting off, front thread cutting on, rear thread cutting on, both front and rear thread cutting on.</p> <p>Long-press this button for 3 seconds to enter the thread cutting parameter settings interface.</p>
8		模式選擇鍵 Mode Selection Button	<p>點擊此鍵實現以下 4 個模式的迴圈切換</p> <p>1. 全自動：啟動靠全感應信號完成</p> <p>2. 自由縫</p> <p>3. 半自動：啟動靠前感應信號+腳踏板完成（與 P-05 項同步）</p> <p>4. 全人工：啟動靠腳踏板完成</p> <p>長按此鍵 3 秒進入模式相關參數設置介面</p> <p>Tap this button to cycle through the following 4 modes:</p> <p>1. Fully Automatic: Starts with full sensor signal.</p> <p>2. Free Sewing</p> <p>3. Semi-Automatic: Starts with front sensor signal + foot pedal (synchronized with P-05).</p> <p>4. Fully Manual: Starts with foot pedal.</p> <p>Long-press this button for 3 seconds to enter mode-related parameter settings interface.</p>

9		吸氣鍵 Suction Button	<p>點擊此鍵實現：吸氣關閉、前吸氣開、後吸氣開、前後吸氣開、長的迴圈切換</p> <p>長按此鍵 3 秒進入吸氣相關參數設置介面</p> <p>Tap this key to cycle through: suction off, front suction on, rear suction on, both front and rear suction on, long cycle.</p> <p>Long-press this key for 3 seconds to enter suction-related parameter settings interface.</p>
10		抬壓腳鍵 Presser Foot Lift Button	<p>點擊此鍵實現：自動抬壓腳關閉、前抬、後抬、前後抬的迴圈切換(與 P-10 項同步)</p> <p>長按此鍵 3 秒進入壓腳相關參數設置介面</p> <p>Tap this button to cycle through: automatic presser foot lift off, front lift, rear lift, both front and rear lift (synchronized with P-10).</p> <p>Long-press this button for 3 seconds to enter presser foot-related parameter settings interface.</p>
11		感應鍵 Sensor Button	<p>1.短按此鍵查看感測器的即時感應值和當前閾值</p> <p>2.長按此鍵進入感測器靈敏度調節介面</p> <p>1.Short-press this key to view the real-time sensor value and current threshold.</p> <p>2.Long-press this key to enter the sensor sensitivity adjustment interface.</p>
12		牙齒高度鍵 Feed Dog Height Button	<p>若點擊，進入牙齒高度快捷調節介面，調節牙齒高度</p> <p>Tap to enter the feed dog height quick adjustment interface to adjust feed dog height.</p>
13		針距鍵 Needle Gauge Button	<p>若點擊，顯示請將布料從縫臺上移走後按 S 繼續，按 S，進入針距快捷介面，調節針距</p> <p>if you tap and show "remove fabric from the sewing table and press S to continue", press S to enter the stitch length quick adjustment interface to adjust stitch length.</p>
14		差動鍵 Differential Button	<p>若短按，進入差動快捷調節介面，調節差動</p> <p>若長按，進入差動調節介面，再點擊一次，差動打擊一下</p> <p>Short-press to enter the differential quick adjustment interface to adjust differential.</p> <p>Long-press to enter the differential adjustment interface; tap again to activate differential once.</p>
15		布料識別鍵 Fabric Recognition Button	<p>在主介面下短按進入布料識別模式</p> <p>Short-press in the main interface to enter fabric recognition mode.</p>
16		恢復出廠設置鍵 Factory Reset Button	<p>一般模式介面下，長按此鍵 3 秒即可恢復出廠設置</p> <p>In normal mode, long-press this key for 3 seconds to restore factory settings.</p>
17	指示燈 Indicators	<p>①F-SENSOR</p> <p>②M-SENSOR</p> <p>③B-SENSOR</p> <p>④SAFE</p>	<p>1.前感測器感應到有布時，F-SENSOR 綠燈亮，無布時熄滅</p> <p>2.中感測器感應到有布時，M-SENSOR 綠燈亮，無布時熄滅</p> <p>3.後感測器感應到有布時，B-SENSOR 綠燈亮，無布時熄滅</p> <p>4.縫紉機異常時，SAFE 紅燈亮，正常時熄滅</p> <p>1. F-SENSOR: Green light on when the front sensor detects fabric; off when no fabric is detected.</p> <p>2. M-SENSOR: Green light on when the middle sensor detects fabric; off when no fabric is detected</p>

		<p>3. B-SENSOR: Green light on when the rear sensor detects fabric; off when no fabric is detected.</p> <p>4. SAFE: Red light on when the sewing machine is abnormal; off when normal.</p>
--	--	--

2 · 特殊功能操作說明 Description of Special Function Operation

序號 No.	功能名稱 Function Name	功能說明 Description of the Function
1	高級參數模式 Advanced Parameter Mode	在主介面下，長按 “P” 鍵，進入 “高級參數設置” 介面； In the main interface, long-press the “P” key to enter the “Advanced Parameter Settings” interface.
2	技術員參數模式 Technician Parameter Mode	在主介面下，同時按下 “P” 鍵 + “S” 鍵，輸入設置密碼後(預設密碼為 0000)，進入 “技術員參數模式” 介面； In the main interface, press the “P” key + “S” key simultaneously, enter the setup password (default is 0000), and access the “Technician Parameter Mode” interface.
3	布料識別模式 Fabric Recognition Mode	在主介面下，同時按 “P” 鍵 + “◀” 鍵，可進入布料識別模式，或通過旋鈕進行布料識別 In the main interface, press the “P” key + “◀” key simultaneously to enter fabric recognition mode, or use the knob for fabric recognition.
4	快捷操作介面 Quick Operation Interface	在主介面下，長按 “⊙” 鍵，進入快捷介面；1、主軸零點角度設置，2、上定位調整，3、步進電機開關，4、開機找上定位，5、步進電機原點調整，6、縫台保護，7、壓腳保護； In the main interface, long-press the “⊙” key to enter the quick interface: 1.Spindle zero angle setting 2.Upper positioning adjustment 3.Stepper motor switch 4.Start-up upper positioning search 5.Stepper motor origin adjustment 6.Sewing table protection 7.Presser foot protection
5	快捷調節機械操作介面 Quick Mechanical Adjustment Interface	在主介面下，同時按住 “P” “⊗” ，進入快捷介面：1、布料模式，2、模式參數，3、步進電機零點，4、剪線調節，5、壓腳調節，6、差動調節，7、針距調節 In the main interface, press and hold “P” and “⊗” simultaneously to enter the quick interface: 1.Fabric mode 2.Mode parameters 3.Stepper motor zero point 4.Thread cutting adjustment 5.Presser foot adjustment 6.Differential adjustment 7.Stitch length adjustment

3 · 系統參數設置說明 Description of the System Parameter Settings

3.1 橫刀機型參數設置 Horizontal Cutter Model Parameter Settings

注：參數預設值僅供參考，實際參數值以實物為準

Note: The default parameter values are for reference only. The actual parameter values should be based on the physical device.

使用者參數 (在一般模式下按[P]鍵進入) User Parameters (Press [P] button in normal mode to enter)				
序號 No.	項目名稱 Item Name	範圍 Range	預設值 Default Value	參數說明 Parameter Description
P1	最高轉速 Maximum speed	200-7000	5500	
P2	停針定位選擇 Needle stop position selection	0-1	0	0：上停針 1：下停針 0：Upper needle stop 1：Lower needle stop
P3	剪線速度 Thread cutting speed	200-7000	5200	有剪線功能時：前感測器觸發啟動和後感測器信號結束時（剪線前）的速度設置 When thread cutting is enabled: Speed settings for front sensor trigger start and rear sensor signal end (before thread cutting)
P4	啟動模式 Start mode	0-1	0	（全自動模式下有效） 0：自動模式 1：腳控模式（前感應+腳踏板前踏啟動） (effective in fully automatic mode) 0：Automatic mode 1：Foot control mode (front sensor + foot pedal forward to start)
P5	自動半自動模式 Automatic/semi-automatic mode	0-1	0	（P-06 開啟時） 0：自動（配合 P-04 使用） 1：半自動（腳控模式） (when P-06 is enabled) 0：Automatic (used with P-04) 1：Semi-automatic (foot control mode).
P6	自動感應開關 Automatic sensor switch	0-1	1	0：關閉（全人工模式開啟） 1：開啟（實現自動/半自動模式，與 P-05 項匹配使用） 0：Off (fully manual mode enabled) 1：On (enables automatic/semi-automatic mode, used with P-05).
P7	自動剪線 Automatic thread cutting	0-3	3	0：關閉 1：前開（中間感測器接收到信號時剪線） 2：後開（後感測器接收信號結束後剪線） 3：前後開 0：Off 1：Front on (cuts thread when middle sensor receives signal)

				2 : Rear on (cuts thread after rear sensor signal ends) 3 : Front and rear on
P8	自動吸氣 Automatic suction	0-3	3	0 : 關閉 1 : 前開 2 : 後開 3 : 前後開 0 : Off 1 : Front On 2 : Rear On 3 : Front and Rear On
P9	自動拉布 Automatic fabric pulling	0-2	0	0 : 關閉 1 : 縫中拉布 2 : 縫後拉布 0 : Off 1 : Fabric Pull During Sewing 2 : Fabric Pull After Sewing
P10	自動抬壓腳 Automatic presser foot lift	0-3	0	0 : 關閉 1 : 前開 (前感測器接收到信號時) 2 : 後開 (後感測器信號結束時) 3 : 前後開 0 : Off 1 : Front lift (when the front sensor receives signal) 2 : Rear lift (when the rear sensor receives signal) 3 : Front and rear lift
P11	縫中抬壓腳 Presser foot lift during sewing	0-1	0	(全人工/半自動模式下有效) 0 : 關閉 1 : 開啟 (停車時自動抬壓腳) (Effective in Manual / Semi-Automatic Mode) 0 : Off 1 : On (Automatically Lift Pressure Foot When Stopped)
P12	剪線後抬壓腳 Presser foot lift after thread cutting	0-1	0	0 : 關閉 Off 1 : 開啟 On 0 : Off 1 : On
P13	半反踏抬壓腳 Half-reverse pedal presser foot lift	0-2	0	(全人工/半自動模式下有效) 0 : 半反踏&反踏抬 1 : 不抬 2 : 反踏抬 (Effective in Manual / Semi-Automatic Mode) 0 : Half-reverse & Reverse Pedal Lift 1 : No Lift 2 : Reverse pedal lift
P14	手動吸氣 Manual suction	0-2	1	0 : 不吸 1 : 後吸 2 : 前後吸 0 : No suction 1 : Rear suction

				2 : Front and rear suction
P15	機頭燈亮度 Machine light brightness	0-4	3	0 : 熄滅 1→4 亮度等級 · 數位越大越亮 0 : Off 1→4 Brightness levels (higher number = brighter)
P16	低氣壓模式 Low air pressure mode	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P17	連續縫製開關 Continuous sewing switch	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P18	恆速剪線開關 Constant speed thread cutting switch	0-1	0	0 : 關閉 (完成後剪線前不執行 P-03 項的速度) 1 : 開啟 (前後剪線的速度固定為 P-03 項的速度) 0 : Off (does not use P-03 speed before thread cutting) 1 : On (front and rear thread cutting speed fixed to P-03 speed)
P19	後踏吸氣 Rear pedal suction	0-2000	0	數位越大時間越長 Higher value = longer time
P20	剪線後停針位選擇 Needle stop position after thread cutting	0-1	1	0 : 下停針 1 : 上停針 0 : Lower needle stop 1 : Upper needle stop
P22	前接收器 E#開關 Front receiver E# switch	0-1	0	0 : 關閉 (關閉前感測器 · 腳踏板直接啟動) 1 : 開啟 (打開前感測器 · 感測器信號+腳踏板啟動) 0 : Off (disables front sensor, foot pedal starts directly) 1 : On (enables front sensor, sensor signal + foot pedal to start)
P23	間歇吸氣吸時間 Intermittent suction time	1-600	20	數位越大時間越長 Higher value = longer time
P24	間歇吸氣停時間 Intermittent suction stop time	0-600	10	0 : 為無間歇吸氣 前吸氣關閉時間 (P-46 項設置為 "1" 時配合使用有 效) 0 : No intermittent suction Front suction close time (effective when P-46 is set to "1")
P25	吸風同步 (P16=1) Suction synchronization (P16=1)	0-2000	200	布邊吸風同步時間 (P-16 設置為 "1" 時配合使用有 效) Fabric edge suction synchronization time (effective when P-16 is set to "1")
P26	兩感測器間針數 Stitch count between two sensors	1-600	100	迴圈週期參數 : 在一個週期內後感測器接收到信號後才 能連續運行 · 否則一個週期停止 Cycle parameter: Continuous operation only after the rear sensor receives a signal within one cycle;

				otherwise, stops after one cycle.
P27	前剪線延遲針數 Front thread cutting delay stitches	0-50	3	數值越小越提前·線頭預留越長(中感測器觸發) Smaller value = earlier timing, longer thread end reserved (triggered by middle sensor)
P28	後剪線延遲針數 Rear thread cutting delay stitches	0-50	3	數值越小越提前·結尾線頭越短(後感測器觸發) Smaller value = earlier timing, shorter thread end at finish (triggered by rear sensor)
P30	前吸氣關閉延時 Front suction close delay	0-2000	100	數值越小·關閉越快 Smaller value = faster to close
P31	後吸氣關閉延時 Rear suction close delay	100-5000	200	數值越小·關閉越快 Smaller value = faster to close
P35	停車延遲針數 Stop delay stitches	1-99	1	布過完感測器後幾針自動停車(後剪線關閉狀態有效) Number of stitches before automatic stop after fabric passes sensor (effective when rear thread cutting is off)
P36	前感測器回應時間 Front sensor response time	0-990	50	數值越小反應越快·數值越大反應越慢 Smaller value = faster response, larger value = slower response
P37	前感測器靈敏度 Front sensor sensitivity	10-900	300	為適應不同布料設定前感測器的透布強度 Set front sensor fabric penetration strength for different fabrics
P38	中間感測器靈敏度 Middle sensor sensitivity	10-900	215	為適應不同布料設定中感測器的透布強度 Set middle sensor fabric penetration strength for different fabrics
P39	前抬壓腳保持時間 Front presser foot lift hold time	50-2000	200	(全自動/半自動模式下) 數值越大保持時間越長 (In fully automatic/semi-automatic mode) Higher value = longer hold time
P40	後抬壓腳啟動時間 Rear presser foot lift start time	0-2000	120	後自動抬壓腳啟動時間·數值越小反應越快 Rear automatic presser foot lift start time (smaller value = faster response)
P41	壓腳全始出力時間 Presser foot full start output time	10-990	100	數值越大壓腳抬的越高(注:不能太高) Higher value = higher presser foot lift (Note: cannot be too high)
P42	壓腳出力週期信號(%) Presser foot output cycle signal (%)	10-90	25	壓腳動作時·以週期性省電輸出·避免電磁鐵發燙 Presser foot operates with periodic power-saving output to prevent electromagnet overheating
P43	壓腳下放時間 Presser foot lowering time	10-990	100	壓腳下放時序的動作時間 Presser foot lowering action time
P44	壓腳保護時間 Presser foot protection time	1-120	5	中途停車抬壓腳、剪線後停車自動抬壓腳、反踏抬壓腳後保持時間到後強制關閉到後強制關閉 Forced close after hold time for mid-sewing presser foot lift, post-thread cutting automatic lift, or reverse pedal lift
P45	剪線時間	10-990	30	時間越長·剪線力度越大

	Thread cutting time			Longer time = greater thread cutting force
P46	連續送布吸氣 Continuous fabric feeding suction	0-2	0	0 : 不吸氣 1 : 長吸氣 2 : 同步吸氣 0 : No Suction 1 : Long Suction 2 : Synchronized Suction
P47	計件數 Piece count		0	
P48	開機找上定位 Start-up upper positioning search	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P50	上定位調整 Upper positioning adjustment	0-2399	4	與 P-72 項設置同步 Synchronized with P-72 setting
P51	下定位調整 Lower positioning adjustment	0-2399	14	與 P-73 項設置同步 Synchronized with P-73 setting
P52	測試速度 Test speed	200-6000	5500	
P53	測試工作時間 Test working time	1-250	20	
P54	測試停止時間 Test stop time	1-250	20	
P55	測試 A:持續運行 Test A: Continuous operation	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P56	測試 B:含功能運行 Test B: Operation with functions	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P57	測試 C:啟停運行 Test C: Start-stop operation	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P58	縫台保護 Sewing table protection	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P59	壓腳保護開關 Presser foot protection switch	0-1	0	0 : 關閉 1 : 開啟 0 : Off 1 : On
P60	電動/氣動 Electric/pneumatic	0-1	0	0 : 電動 1 : 氣動 0 : Electric 1 : Pneumatic
P61	後踏剪線開關	0-7	1	0 : 全關 All Off

	Rear pedal thread cutting switch			<p>1：全人工開 Fully Manual On</p> <p>2：半自動開 Semi-Automatic On</p> <p>3：全自動開 Fully Automatic On</p> <p>4：全人工和半自動開 Fully Manual and Semi-Automatic On</p> <p>5：半自動和全自動開 Semi-Automatic and Fully Automatic On</p> <p>6：全人工和全自動開 Fully Manual and Fully Automatic On</p> <p>7：全人工和半自動和全自動開 Fully manual, Semi-Automatic, and Fully Automatic On</p>
P63	語言選擇 Language selection	0-2	1	<p>0: 英文 English</p> <p>1：中文 Chinese</p> <p>2：土耳其語 Turkish</p>
P64	前發射管強度 Front emitter strength	0%-100%	80%	調節前發射管強度 Adjust front emitter strength
P65	中發射管強度 Middle emitter strength	0%-100%	80%	調節中發射管強度 Adjust middle emitter strength
P66	後發射管強度 Rear emitter strength	0%-100%	80%	調節後發射管強度 Adjust rear emitter strength
P67	後感測器靈敏度 Rear sensor sensitivity	10-900	375	為適應不同布料設定後感測器的透布強度 Set rear sensor fabric penetration strength for different fabrics
P69	後感應緩回應時間 Rear sensor slow response time	0-3000	0	在縫製網格布的情況下可以調節此項，以達到想要的效果 Adjust this setting when sewing mesh fabric to achieve the desired effect
P70	機型選擇 Machine model selection	1-3	1	<p>1：橫刀機型 Horizontal knife model</p> <p>2：側刀機型 Side knife model</p> <p>3：倒回縫 Backstitch</p>
P71	最高限速 Maximum speed limit	200-7000	6000	
P72	手動上定位調整 Manual upper positioning adjustment	0-2399		從手輪方向看，順時針轉動手輪轉到上定位，點擊 S 鍵保存當前數值為下定位，只可微調 Upper positioning adjustment: From the handwheel direction, rotate the handwheel clockwise to the upper position, press the S key to save the current value as the upper position (fine-tuning only).
P73	手動下定位調整 Manual lower positioning adjustment	0-2399		從手輪方向看，順時針轉動手輪轉到下定位，點擊 S 鍵保存當前數值為下定位，只可微調 Lower positioning adjustment: From the handwheel direction, rotate the handwheel clockwise to the lower position, press the S key to save the current value as the lower position (fine-tuning only).

P74	查詢參數 Query Parameters	N1-N5		N1：電控軟體版本 Electronic Control Software Version N2：面板軟體版本 Control Panel Software Version N3：轉速 RPM N4：腳踏板 Foot Pedal N5：驅動軟體版本 Drive software version
P76	密碼設置 Password setting	0000-9999	0000	
P77	零點角度設置 Zero angle setting		0	
P78	吸風桶類型 Suction bucket type	0-2	0	0：有刷 Brushed 1：無刷 Brushless 2：氣閥 Air Valve
P80	針杆護罩保護 Needle bar guard protection	0-1	1	0：關閉 Off 1：開啟 On
P81	電磁鐵保護 Electromagnet protection	0-1	1	0：關閉 Off 1：開啟 On
P82	報警件數 Alarm piece count	0-9999	0	
P83	待機顯示件數 Standby display piece count	0-1	0	0：關閉 Off 1：開啟 On
P84	計件模式選擇 Piece counting mode selection	0-1	0	0：增序 Ascending Order 1：減序 Descending Order
P85	計件剪線次數 Thread cutting count for piece counting	0-50	1	
P86	語音音量 Voice volume	0-5	4	
P87	語音播報選擇 Voice announcement selection	0-3	3	
P88	用戶機型 User machine model		0	
P90	語音晶片選擇 Voice chip selection	0-4	4	
P91	後感應開關 Rear sensor switch	0-1	0	0：開啟 On 1：關閉 Off
P92	開機語選擇 Startup language selection	0-11	0	
P94	薄料透光度 Thin fabric transparency	1-800	20	
P95	普通料透光度 Normal fabric	1-800	200	

	transparency			
P96	網格料透光度 Mesh fabric transparency	1-800	50	
P97	特殊料檢測針數 Special fabric detection stitch count	0-50	0	
P98	剪線速度開關 Thread cutting speed switch	0-3	0	0：關閉 Off 1：前開 Front On 2：後開 Rear On 3：前後開 Front & Rear On
P99	前剪線保護 Front thread cutting protection	0-1	1	0：關閉 Off 1：開啟 On
P100	縫製布料類型 Sewing fabric type	0-2	0	0：普通料 Regular Material 1：薄料 Light Material 2：網格料 Mesh Material
P101	前感應識別信號差 Front sensor signal difference	0-50	10	
P102	中感應識別信號差 Middle sensor signal difference	0-50	10	
P103	後感應識別信號差 Rear sensor signal difference	0-50	10	
P104	踏板加速斜率 Pedal acceleration slope	1-100	32	
P106	後踏剪線次數 Rear pedal thread cutting count	0-1	0	
P108	電機類型 Motor type	0-5	0	
P110	感應開機快速校準 Sensor startup quick calibration	0-1	1	
P111	感應粗調 Sensor coarse adjustment	0-20	0	
P112	後剪線模式 Rear thread cutting mode	0-1	0	
P113	短線頭開關 Short thread end switch	0-1	0	0：關閉 Off 1：開啟 On
P114	前短線頭針數 Front short thread	0-50	22	

	end stitch count			
P115	後短線頭針數 Rear short thread end stitch count	0-50	0	
P129	步進電機開關 Stepper motor switch	0-1	1	0 : 關閉 Off 1 : 開啟 On
P130	步進原點 Stepper Position Origin	-4800 ~ 4800	0000	需將 P131 步進電機鎖定關閉 P131 Stepper Motor Locking Requirement
P131	步進電機解鎖 Stepper motor unlock	0-1	0	0 : 鎖定 Lock 1 : 鬆開 Release
P132	步進最大電流 Stepper maximum current	20-60	50	(*100mA) 步進電機運行時的最大電流 (*100mA) Maximum Current During Stepper Motor Operation
P133	步進保持電流 Stepper holding current	5-30	20	(*100mA) 壓腳抬起時的步進電機保持電流大小(即 壓腳保持力度) (*100mA) Stepper Motor Holding Current When Pressure Foot Is Lifted (i.e., pressure foot holding force)
P134	牙齒到剪線速度 Feed dog to thread cutting speed	5-1500	1200	
P135	剪線起始角度 Thread cutting start angle	-2400-24 00	370	
P136	剪線速度 Thread cutting speed	5-1500	1200	
P137	剪線角度 Thread cutting angle	0-730	300	
P138	剪線回程速度 Thread cutting return speed	5-1500	600	
P139	步進電機到原點速度 Stepper motor to origin speed	5-1500	200	
P140	剪線到牙齒的速度 Thread cutting to feed dog speed	5-1500	700	
P141	牙齒高度開關 Feed dog height switch	0-1	0	
P142	壓腳抬起速度 Presser foot lift speed	5-1500	400	
P144	壓腳下放速度 Presser foot lowering speed	5-1500	200	
P145	差動調節切換速度 Differential	5-1500	200	

	adjustment switching speed			
P146	差動調節回應速度 Differential adjustment response speed	5-1500	600	
P147	差動調節起始角度 Differential adjustment start angle	0-730	640	
P148	差動調節單步角度 Differential adjustment single step angle	0-140	66	
P149	針距步進最大電流 Stitch length stepper maximum current	30-50	30	
P150	針距主軸最大電流 Stitch length spindle maximum current	1-17	1	
P153	前剪線時機微調 Front thread cutting timing fine-tuning	0-100	10	此項參數的用於在主軸電機在高速與低速情況下·縫製布料的線頭長度的一致性 (不可輕易修改) This parameter is used to maintain the consistency of thread length when sewing fabric at high and low speeds with the spindle motor (not easily adjustable).
P154	步進鎖定電流 Stepper locking current	1-12	10	
P155	步進調試保持時間 Stepper debugging hold time	0-300	10	
P156	針距調節起始角度 Stitch length adjustment start angle	0-870	710	
P157	針距調節切換速度 Stitch length adjustment switching speed	5-1500	200	
P158	針距調節離合角度 Stitch length adjustment clutch angle	0-140	66	
P159	針距調節離合速度 Stitch length adjustment clutch speed	5-1500	200	

P160	針距調節主軸速度 Stitch length adjustment spindle speed	20-100	50	
P163	後輕抬延遲針數 Rear light lift delay stitches	0-50	0	
P164	壓腳輕抬開關 Presser foot light lift switch	0-3	0	0 : 關閉 Off 1 : 前開 Front On 2 : 後開 Rear On 3 : 前後開 Front and Rear On
P165	壓腳輕抬檢測針數 Presser foot light lift detection stitches	0-50	2	
P166	壓腳輕抬角度 Presser foot light lift angle	0-600	200	
P167	壓腳輕抬速度 Presser foot light lift speed	5-1500	100	
P168	壓腳輕抬下放速度 Presser foot light lift lowering speed	5-1500	100	
P169	布料模式 Fabric mode	0-6	0	
P170	針織 T 恤最高轉速 Knit T-shirt maximum speed	200-7000	5500	
P171	針織 T 恤牙齒高度 Knit T-shirt feed dog height	0-30	6	
P172	針織 T 恤差動比例 Knit T-shirt differential ratio	0-30	6	
P173	針織 T 恤針距大小 Knit T-shirt stitch length	0-50	10	
P174	針織 T 恤壓腳高度 Knit T-shirt presser foot height	0-10	6	
P175	牛仔布最高轉速 Denim maximum speed	200-7000	5500	
P176	牛仔布牙齒高度 Denim feed dog height	0-30	12	
P177	牛仔布差動比例 Denim differential ratio	0-30	12	

P178	牛仔布針距大小 Denim stitch length	0-50	20	
P179	牛仔布壓腳高度 Denim presser foot height	0-10	6	
P180	夾克西褲最高轉速 Jacket/trousers maximum speed	200-7000	5500	
P181	夾克西褲牙齒高度 Jacket/trousers feed dog height	0-30	18	
P182	夾克西褲差動比例 Jacket/trousers differential ratio	0-30	18	
P183	夾克西褲針距大小 Jacket/trousers stitch length	0-50	30	
P184	夾克西褲壓腳高度 Jacket/trousers presser foot height	0-10	6	
P185	彈力布最高轉速 Stretch fabric maximum speed	200-7000	5500	
P186	彈力布牙齒高度 Stretch fabric feed dog height	0-30	24	
P187	彈力布差動比例 Stretch fabric differential ratio	0-30	24	
P188	彈力布針距大小 Stretch fabric stitch length	0-50	40	
P189	彈力布壓腳高度 Stretch fabric presser foot height	0-10	6	
P190	無紡布最高轉速 Non-woven fabric maximum speed	200-7000	5500	
P191	無紡布牙齒高度 Non-woven fabric feed dog height	0-30	30	
P192	無紡布差動比例 Non-woven fabric differential ratio	0-30	30	
P193	無紡布針距大小 Non-woven fabric stitch length	0-50	50	
P194	無紡布壓腳高度 Non-woven fabric	0-10	6	

	presser foot height			
P195	自訂 1 最高轉速 Custom 1 maximum speed	200-7000	5500	
P196	自訂 1 牙齒參數 Custom 1 feed dog parameters	0-30	6	
P197	自訂 1 差動參數 Custom 1 differential parameters	0-30	6	
P198	自訂 1 針距參數 Custom 1 stitch length parameters	0-50	10	
P199	自訂 1 壓腳高度 Custom 1 presser foot height	0-10	6	
P200	自訂 2 最高轉速 Custom 2 maximum speed	200-7000	5500	
P201	自訂 2 牙齒參數 Custom 2 feed dog parameters	0-30	6	
P202	自訂 2 差動參數 Custom 2 differential parameters	0-30	6	
P203	自訂 2 針距參數 Custom 2 stitch length parameters	0-50	10	
P204	自訂 2 壓腳高度 Custom 2 presser foot height	0-10	6	
P206	牛仔布透光強度 Denim transparency strength	0-2	0	
P207	夾克西褲透光強度 Jacket/trousers transparency strength	0-2	0	
P208	彈力布透光強度 Stretch fabric transparency strength	0-2	0	
P209	無紡布透光強度 Non-woven fabric transparency strength	0-2	0	
P210	自訂 1 透光強度 Custom 1 transparency strength	0-2	0	
P211	自訂 2 透光強度 Custom 2	0-2	0	

	transparency strength			
P212	跑合差動減少次數 Differential reduction count during break-in	0-100	30	
P213	差動關閉 Differential off	0-1	0	
P214	針距關閉 Stitch length off	0-1	0	
P215	測試總時間 Total test time	0-9999	30	

4.錯誤代碼表 Error Code Table

錯誤碼 Error Code	內容 Content	對策 Countermeasure
E01	超電壓 Overvoltage	關閉系統電源·檢測供應電源電壓是否正確。(或是否超過使用規定的額定電壓)。 若正確·請更換控制箱並通知售後服務。 Turn off the system power and check if the supply voltage is correct (or exceeds the specified rated voltage). If correct, replace the control box and notify after-sales service.
E02	低電壓 Low Voltage	關閉系統電源·檢測供應電源電壓是否正確。(或是否低於使用規定的額定電壓)。 若正確·請更換控制箱並通知售後服務。 Turn off the system power and check if the supply voltage is correct (or below the specified rated voltage). If correct, replace the control box and notify after-sales service.
E05	控速器接觸異常 Speed Controller Contact Abnormality	關閉系統電源·檢查控速器接頭是否鬆動或脫落·將其恢復正常後重啟系統。若仍不能正常工作·請更換控速器並通知售後服務。 Turn off the system power, check if the speed controller connector is loose or disconnected, restore it to normal, and restart the system. If it still does not work, replace the speed controller and notify after-sales service.
E07	電機堵轉 Motor Stalled	轉動機頭手輪觀察是否卡住。如卡住則先排除機械故障。 如轉動正常·檢查電機編碼器接頭和電機電源線接頭是否鬆動。如有鬆動請修正。 如接觸良好·檢查供應電源電壓是否異常或轉速設置過高。如有請調整。 若仍不能正常工作·請更換控制箱並通知售後服務。 1.Rotate the machine head handwheel to check for jamming. If jammed, resolve the mechanical issue first. 2.If rotation is normal, check if the motor encoder connector or motor power cable connector is loose. If loose, secure it. 3.If connections are good, check if the supply voltage is abnormal or if the speed setting is too high. Adjust if necessary. 4.If it still does not work, replace the control box and notify after-sales service.
E10	電磁鐵過流保護 Electromagnet Overcurrent Protection	關閉系統電源·檢查電磁鐵(電磁閥)連接線或電磁鐵(電磁閥)是否損壞。 Turn off the system power and check if the electromagnet (solenoid valve) connection cable or the electromagnet itself is damaged.

E11	定位信號異常 Positioning Signal Abnormality	關閉系統電源，檢查電機編碼器介面是否鬆動或脫落，將其恢復正常後重啟系統。若仍不能正常工作，請更換電機並通知售後服務。 Turn off the system power, check if the motor encoder interface is loose or disconnected, restore it to normal, and restart the system. If it still does not work, replace the motor and notify after-sales service.
E14	編碼器信號異常 Encoder Signal Abnormality	關閉系統電源，檢查電機編碼器介面是否鬆動或脫落，將其恢復正常後重啟系統。若仍不能正常工作，請更換電機並通知售後服務。 Turn off the system power, check if the motor encoder interface is loose or disconnected, restore it to normal, and restart the system. If it still does not work, replace the motor and notify after-sales service.
E15	電力模組不正常過流保護 Power Module Abnormal Overcurrent Protection	關閉系統電源，再重新開啟。若仍不能正常工作，請更換控制箱並通知售後服務。 Turn off the system power, then turn it back on. If it still does not work, replace the control box and notify after-sales service.
E16	抬壓腳保護開關沒到正確位置 Presser Foot Lifting Protection Switch Not in Correct Position	檢查壓腳是否回到正確位置，抬壓腳開關是否損壞，插座是否異常。 Check if the presser foot has returned to the correct position, if the presser foot lifting switch is damaged, or if the socket is abnormal.
E17	縫台保護開關沒到正確位置 Sewing Table Protection Switch Not in Correct Position	檢查縫台是否打開，縫台安全開關是否損壞，插座是否異常。 Check if the sewing table is open, if the sewing table safety switch is damaged, or if the socket is abnormal.
E18	針杆護罩保護開關沒到正確位置 Needle Bar Guard Protection Switch Not in Correct Position	針杆護罩是否打開，針杆護罩保護開關是否損壞，插座是否異常。 Check if the needle bar guard is open, if the needle bar guard protection switch is damaged, or if the socket is abnormal.
E19	針距離合異常 Needle Distance Abnormality	①請檢查針距離合角度是否過大或過小 ②若仍不能正常工作，請更換控制箱或步進電機並通知售後服務。 1. Check if the needle distance angle is too large or too small. 2. If it still does not work, replace the control box or stepper motor and notify after-sales service.
E21	差動零點信號異常 Differential Zero Point Signal Abnormality	①檢查差動起始角度是否設置正確，如果不正確，重新調節差動起始角度。 ②檢查差動單步角度是否設置的過小，如果過小，將差動單步角度適當加大。 ③檢查差動零點感測器是否異常。 ④若仍不能正常工作，請更換控制箱或步進電機並通知售

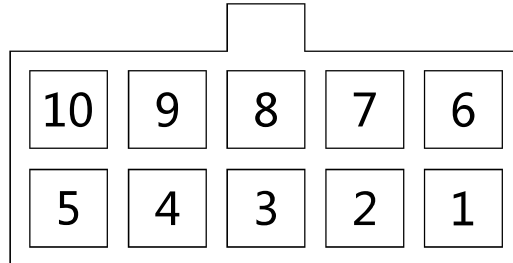
		<p>後服務。</p> <ol style="list-style-type: none"> 1. Check if the differential starting angle is set correctly. If incorrect, readjust it. 2. Check if the differential single-step angle is set too small. If so, increase it appropriately. 3. Check if the differential zero-point sensor is abnormal. 4. If it still does not work, replace the control box or stepper motor and notify after-sales service.
E92	<p>剪線(壓腳)步進電機過流 Thread Trimming (Presser Foot) Stepper Motor Overcurrent</p>	<p>①關閉系統電源，觀察剪線(壓腳)步進電機是否卡住。如卡住則先排除機頭機械故障。如正常，檢查剪線(壓腳)步進電機介面是否鬆動或脫落，將其恢復正常後重啟系統。</p> <p>②若仍不能正常工作，請更換控制箱或剪線(壓腳)步進電機並通知售後服務。</p> <ol style="list-style-type: none"> 1. Turn off the system power and check if the thread trimming (presser foot) stepper motor is jammed. If jammed, resolve the machine head mechanical issue first. If normal, check if the stepper motor interface is loose or disconnected, restore it to normal, and restart the system. 2. If it still does not work, replace the control box or thread trimming (presser foot) stepper motor and notify after-sales service.
E94	<p>剪線(壓腳)步進電機編碼器定位信號異常 Thread Trimming (Presser Foot) Stepper Motor Encoder Positioning Signal Abnormality</p>	<p>①關閉系統電源，觀察剪線(壓腳)步進電機是否卡住。如卡住則先排除機頭機械故障。如正常，檢查剪線(壓腳)步進電機編碼器介面是否鬆動或脫落，編碼器碼盤是否有油，如果有請清理乾淨，將其恢復正常後重啟系統。</p> <p>②若仍不能正常工作，請更換控制箱或剪線(壓腳)步進電機並通知售後服務。</p> <ol style="list-style-type: none"> 1. Turn off the system power and check if the thread trimming (presser foot) stepper motor is jammed. If jammed, resolve the machine head mechanical issue first. If normal, check if the stepper motor encoder interface is loose or disconnected, and if the encoder disk has oil. If so, clean it, restore to normal, and restart the system. 2. If it still does not work, replace the control box or thread trimming (presser foot) stepper motor and notify after-sales service.
E95	<p>剪線(壓腳)步進電機編碼器信號異常 Thread Trimming (Presser Foot) Stepper Motor Encoder Signal Abnormality</p>	<p>①關閉系統電源，檢查剪線(壓腳)步進電機編碼器介面是否鬆動或脫落，將其恢復正常後重啟系統。</p> <p>②若仍不能正常工作，請更換控制箱或剪線(壓腳)步進電機並通知售後服務。</p> <ol style="list-style-type: none"> 1. Turn off the system power, check if the thread trimming (presser foot) stepper motor encoder interface is loose or disconnected, restore it to normal, and restart the system. 2. If it still does not work, replace the control box or thread trimming (presser foot) stepper motor and

		notify after-sales service.
E96	剪線(壓腳)步進電機啟動失敗 Thread Trimming (Presser Foot) Stepper Motor Startup Failure	<p>①關閉系統電源，檢查剪線(壓腳)步進電機電源線介面、編碼器介面是否鬆動或脫落，將其恢復正常後重啟系統。</p> <p>②若仍不能正常工作，請更換控制箱或剪線(壓腳)步進電機並通知售後服務。</p> <p>1.Turn off the system power, check if the thread trimming (presser foot) stepper motor power cable interface or encoder interface is loose or disconnected, restore it to normal, and restart the system.</p> <p>2.If it still does not work, replace the control box or thread trimming (presser foot) stepper motor and notify after-sales service.</p>
E97	剪線(壓腳)步進電機堵轉 Thread Trimming (Presser Foot) Stepper Motor Stalled	<p>①關閉系統電源，觀察剪線(壓腳)步進電機是否卡住。如卡住則先排除機頭機械故障。如正常，檢查剪線(壓腳)步進電機電源線介面、編碼器介面是否鬆動或脫落，將其恢復正常後重啟系統。</p> <p>②若仍不能正常工作，請更換控制箱或剪線(壓腳)步進電機並通知售後服務。</p> <p>1.Turn off the system power and check if the thread trimming (presser foot) stepper motor is jammed. If jammed, resolve the machine head mechanical issue first. If normal, check if the stepper motor power cable interface or encoder interface is loose or disconnected, restore it to normal, and restart the system.</p> <p>2.If it still does not work, replace the control box or thread trimming (presser foot) stepper motor and notify after-sales service.</p>
NC	前面操作盒與 CPU 傳輸通信異常 Communication Abnormality Between Front Operation Box and CPU	<p>關閉系統電源，檢查控制台的連線是否鬆動或脫落，將其恢復正常後重啟系統。若仍不能正常工作，請更換控制箱並通知售後服務。</p> <p>Turn off the system power, check if the control panel connection is loose or disconnected, restore it to normal, and restart the system. If it still does not work, replace the control box and notify after-sales service.</p>

5.埠示意圖 Port Schematic

10A 白色埠 (LED、發射器)

10A White Port (LED, Transmitter)



1 : 負極 (中發射) 2 : 負極 (前發射) 3 : 正極 (剪線開關) 4 : 負極 (後發射) 5 : 空

6 : 負極 (發射燈) 7 : 5V (發射燈) 8 : 5V (前中後發射) 9 : 空 10 : 負極 (剪線開關)

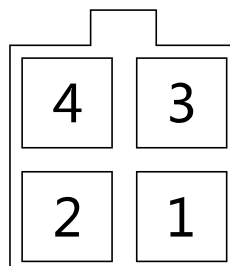
1: Negative (Middle Emitter) 2: Negative (Front Emitter) 3: Positive (Thread Trimming Switch) 4: Negative (Rear Emitter) 5: Empty (No Connection) 6: Negative (Emitter Light)

7: 5V (Emitter Light) 8: 5V (Front, Middle, Rear Emitter) 9: Empty (No Connection) 10:

Negative (Thread Trimming Switch)

4A 白色埠 (前、中接收)

4A White Port (Front, Middle Reception)



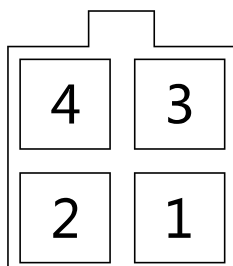
1 : 前接收信號 · 3 : 5V

2 : 中接收信號 · 4 : 5V

1 : Front Receiver Signal · 3 : 5V

2 : Middle Receiver Signal · 4 : 5V

4A 紅色埠 (縫台開關)
4A Red Port (Sewing Table Switch)



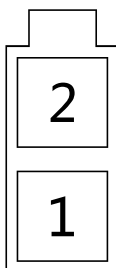
1 : CND 2:空

3 : 5V 4 : 信號

1 : CND 2 : Empty

3 : 5V 4 : Signal

2A 藍色埠 (後接收)
2A Blue Port (Rear Reception)

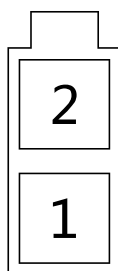


1 : 後接收信號 Rear Receiver Signal · 2 : 5V

1 : Rear Receiver Signal · 2 : 5V

2A 白色埠 (剪線)

2A White Port (Thread Trimming)

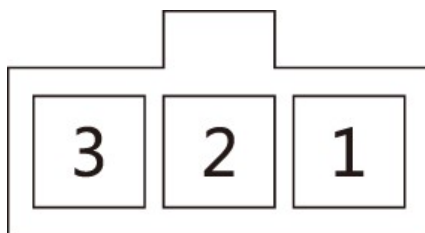


1 : 剪線信號 Thread Trimming Signal · 2 : 24V

1 : Thread Trimming Signal · 2 : 24V

3A 白色埠 (差動位置感應)

3A White Port (Differential Position Sensor)

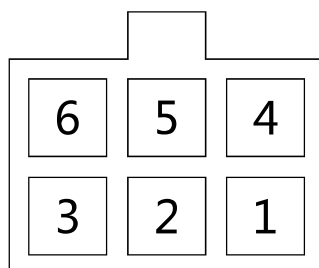


1 : GND · 2 : 信號 · 3 : +5V

1 : GND · 2 : Signal · 3 : +5V

6A 黑色埠 (壓腳安全開關)

6A Black Port (Presser Foot Safety Switch)

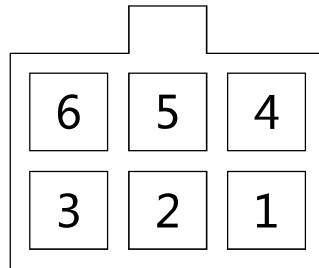


1 : GND 2:空 3 : 空 4 : 5V 5:信號 6 : 空

1 : GND 2: Empty 3 : Empty 4 : 5V 5: Signal 6 : Empty

6A 白色埠 (集成埠)

6A White Port (Integrated Port)



1 : 後吸信號 4 : 32V

2 : 前吸信號 5 : 32V

3 : 空 6 : 空

1 : Rear Suction Signal 4 : 32V

2 : Front Suction Signal 5 : 32V

3 : Empty 6 : Empty



高林股份有限公司
KAULIN MFG. CO., LTD.

由於對產品的改良及更新，本產品使用說明書中與零件圖之產品及外觀的修改恕不事先通知！
The specification and/or appearances of the equipment described in this instruction book & parts list are subject to change because of modification which will without previous notice.
KZ08N-5.SEP.2025