

DINTEK

DLP-010



**Operating the DLP-010
Thermal Transfer Printer**

User Manual
中英文合併版

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1 For your safety

Read this user manual carefully and keep it to hand for future reference.

1.1 Designating the warning instructions



This is the safety alert symbol. It is used to alert you to potential personal injury hazards.

There are three key words for the severity of the potential injuries.

DANGER

Indicates a hazard with a high degree of risk. If the hazard is not avoided, it could result in death or a serious injury.

WARNING

Indicates a hazard with a medium degree of risk. If the hazard is not avoided, it could result in death or a serious injury.

CAUTION

Indicates a hazard with a low degree of risk. If the hazard cannot be avoided, then it could result in a minor or moderate injury.



This symbol, with the key word NOTE warns of actions that can result in material damages or malfunctions.



Here you can find additional information or further sources of reference.

1.2 User qualification

This user manual is directed at those persons who are familiar with the relevant safety concepts for handling electrical machines. Only persons who can commission, operate, and maintain the device are entitled to use the device, as well as identify the hazards.

1.3 Field of application

The DLP-010 is a portable thermal transfer printer for industrial use. The thermal transfer printer prints self-adhesive and non-adhesive labels and heat-shrinkable tubes for marking electrical components.

The DLP-010 uses special material cartridges that contain the material as well as the corresponding ink ribbon. Only use material cartridges that are provided for the DLP-010.

1.4 Safety notes

Risk to operational reliability

Incorrect operation or modifications to the device can endanger your safety or damage the printer. Do not repair the product yourself. If the device is defective, please contact DINTEK.

Explosion hazard, fire hazard, and health hazard if batteries are used incorrectly.

- Only use dry batteries in a proper condition.
- Never damage the batteries (e.g., by throwing, pressing on the battery or using sharp objects). Never expose the batteries to high levels of heat (e.g., caused by fire or sunlight). Never let the batteries come in contact with moisture or salt water.
- Pay attention to the correct polarity when inserting the batteries.
- Only charge the battery in the DLP-010 or in the designated charger. Do not use any other chargers, e.g., cigarette lighter socket in the car.
- Temperature range when charging the battery: 0°C~45°C
- Store the battery separately in a dry and cool place.

Damage to the device

- Do not operate the printer near high-voltage lines.
- Only operate the printer in a dry location protected from spray.
- Protect the printer and printing materials from humidity, moisture, and dirt.
- Only connect the printer to systems that have a protective extra low voltage.
- To operate the printer with connection to a mains power supply, only use the provided wide range power supply unit.

2 Starting up the printer

2.1 Checking the scope of supply

Standard DINTEK DLP-010 Set

- Printer
- Power supply unit with four adapters for different sockets
- USB-A to USB-B cable
- User manual

Optional Items

- Lithium Ion Battery Pack VBK100 7.4v 2600mAh 19.24w
- Various Printer Cartridges

Equipment Label Cartridges

- 2306-12000 - Printer Cartridge - 10mm / 24mm - Black on White (PET)
- 2306-12021 - Printer Cartridge - 10mm / 24mm - Black on Yellow (PET)

Wrap-Around Label Cartridges

- 2306-12153 - Printer Cartridge - 10mm / 24mm - Black on White (Vinyl)
- 2306-12154 - Printer Cartridge - 10mm / 24mm - Black on Yellow (Vinyl)

2.2 Overview of the device

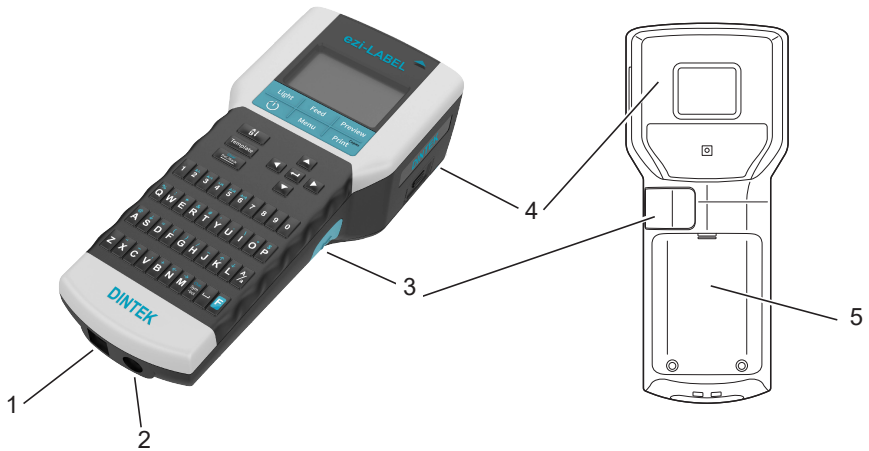


Figure 2-1 Overview

- 1 Socket for USB connection
- 2 Socket for power supply unit
- 3 Cutter for continuous media
- 4 Compartment for material cartridge
- 5 Battery compartment

2.3 Connecting the power supply

The DLP-010 can be supplied with power in different ways.

- Dry cells (6x AA alkaline)
- AC wide-range power supply unit (Adapter)
- Battery (Lithium)

If the DLP-010 is connected to the power supply via the power supply unit, the battery in the DLP-010 is automatically charged. The battery can also be charged using an external charger (CHARGER).

Connecting the power supply unit

The DLP-010 is designed for power grids from 100 to 240 V AC. Only connect it to sockets with a ground conductor contact.

Only use the provided wide range power supply unit

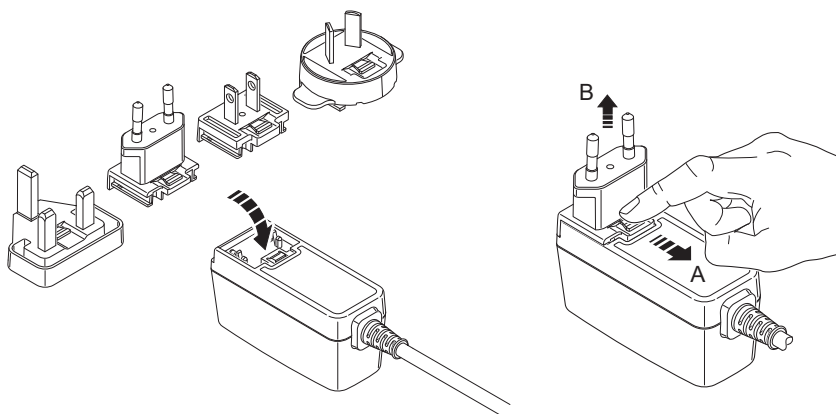


Figure 2-2 Mains connection

- Slightly tilt the relevant adapter and place it onto the front side of the power supply unit and press the adapter down. To remove the adapter, pull the slider on the base element in the direction of the cable.
- Insert the connecting cable of the power supply unit in the socket of the printer.
- Connect the power supply unit to a grounded socket with a ground conductor contact.

2.4 Inserting the material cartridge

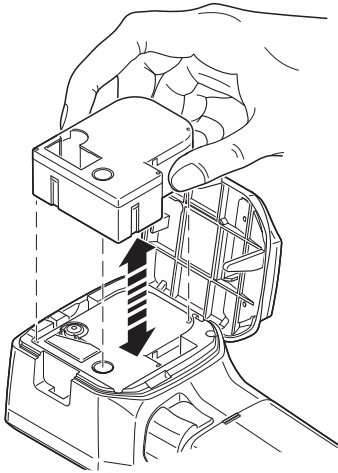


Figure 2-3 Replacing the material cartridge

- Keeping the material cartridge straight, insert it into the compartment from above so that it engages with a click. Make sure that the material end is in the output tray.
- To remove the material cartridge, pull it upward while keeping it straight.



NOTE: Damage to the printer and material cartridge

If the printer is not going to be used for a prolonged period of time, remove the material cartridge from the printer.

2.5 Switching on the device

- Switch on the printer using the **ON/OFF** key.
- Press the green **ON/OFF** key until the display lights up.

3 Operating Elements

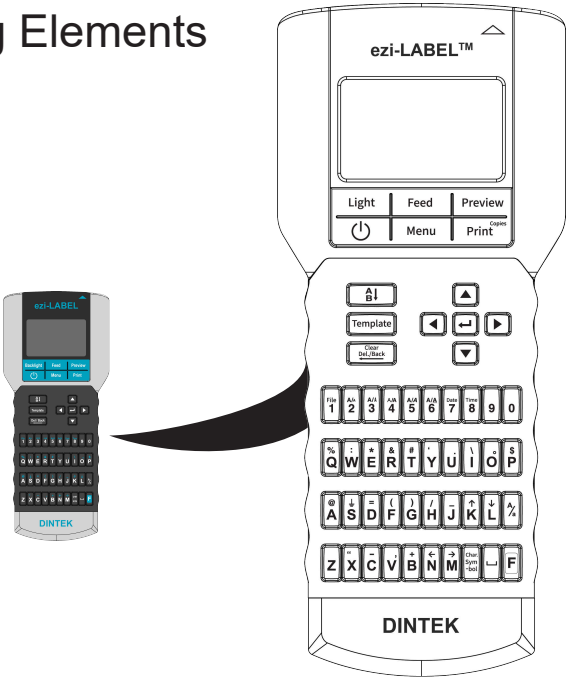









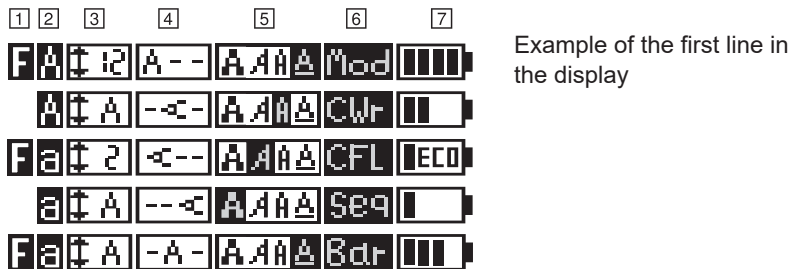
Figure 3-1 Operating Elements

Operating elements		
Blue keys		
	On/Off switch	
	Function key; uses the assignment labeled green when pressing a key (e.g., @ instead of A)	
Blue keys	Function key pressed	
	Display lighting	–
	Material advance	–
	Preview of the print result	–
	Call menu In a values selection, the value is accepted and you are returned to the input screen	–
	Start printing	Multiple copy

Operating elements		
Turquoise keys		Function key pressed
	Selection of templates	–
	Changes the text alignment (horizontal/vertical)	–
	Confirm entry, new line (up to six lines are possible)	–
	In the menu: back to the previous level On the input screen: delete previous character	On the input screen: delete entire contents
	Switches between upper case and lower case letters	–
	Space	–
	Selection of symbols	Selection of special characters, e.g., â, È, ï, Ç
Gray keys		Function key pressed
Num- bers	Entering numbers 0 – 9	1 = file 2 = font size 3 = narrow 4 = bold 5 = italic 6 = underline 7 = date 8 = time
Letters	Letters A - Z	Selects the assignment labeled green
Arrow keys	Line change, navigating in the menu	

3.1 Display



The first line in the display shows the settings selected.



- 1 "F" indicates that the blue **[F]** function key has been pressed. The function key is used to switch to the assignment labeled green when pressing a key (e.g., @ instead of A).
- 2 Indicates whether upper case or lower case letters are used. Can be switched using the turquoise **[A/a]** key.
- 3 Indicates the selected line height in mm. The "A" stands for "auto". The line height is adjusted according to the space available.
Can be switched using number key "2" if the function key has been activated simultaneously. To set the desired height in mm, press number key "2" several times (Auto Size, 2 mm ... 22 mm).
- 4 Text alignment
The turquoise **[A/a]** button can be used to switch between text alignments. The text alignment switches in the following order:

1. horizontal – centered	4. vertical – right-aligned
2. vertical – centered	5. horizontal – left-aligned
3. horizontal – right-aligned	6. vertical – left-aligned
- 5 Text format (bold, italic, narrow, underline). Can be switched using the number keys if the function key has been activated simultaneously.
3 = narrow, 4 = bold, 5 = italic, 6 = underline
- 6 Print layouts for specific requirements
 - Rows of labels with a fixed width ("Mod", see Section 4.1.5)
 - Cable marking ("CW", see Section 4.1.6)
 - Cable flags ("CFL", see Section 4.1.7)
 - Insert Barcode ("Bar", see Section 4.1.3)
 - Insert Sequence ("Seq", see Section 4.1.4)
- 7 State of power supply

3.2 Menu

Use the arrow keys to navigate through the menu. Press the  key to select an entry and  to go back.

Changing the language

The menu is set to English by default. To change the language, proceed as follows:







- Press the black  key.
- Select "A. Setup". Press the  key.
- Select "1. Language". Press the  key.
- Select a language.
- Press the  key to select an entry. Go back with  or  key.

Table 3-1 Menu

Level 1	Level 2	Level 3	Level 4	Description
1. File	1. Save			Save marking
	2. Load			Load stored marking (1 to 20 files)
	3. Print			Print stored marking
	4. Delete			Delete stored marking
2. Font	1. Size	Auto Size		Font is adjusted according to space available
		2 mm ... 22 mm		Font size in mm ABC
	2. Style	1. Bold	Bold	ABC
		2. Italic	Italic	<i>ABC</i>
		3. Narrow	Narrow	ABC
		4. Underline	Underline	<u>ABC</u>
		5. Mirror	Mirrored	ɹɹA

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
3. Symbol	Punctuation			Punctuation marks ! " #
	General symbols			General symbols § © ®
	Units			Units \$ £ ¢
	Electr. General			Electrical symbols ⚡ ⚙ ⚡
	Electr. Comp.			Electrical components ⚡
	Home Electrics			Home electrics ⚡ ⚙
	Safety Signs			Safety symbols ⚠ ⚡
	Superscript			Superscript characters ± - +
	Subscript			Subscript characters ± - +
	Arrows			Arrows ← ↑ →
	Greek Upper Case			Greek upper case letters ΑΒΓΔ
	Greek Lower Case			Greek lower case letters αβγδ
	Mathematical			Mathematical symbols ± ≥ ≠
4. Orientation	1. Horizontal			Horizontal text alignment ABC
	2. Vertical			Vertical text alignment C B A
5. Alignment	1. Left			Left-aligned text ABC
	2. Center			Centered text ABC
	3. Right			Right-aligned text ABC

Table 3-1 Menu [...]





Level 1	Level 2	Level 3	Level 4	Description
6. Frame	1. No Frame			No frame
	2. Dotted			Frame, dashed line 
	3. Thin			Frame, thin line 
	4. Medium			Frame, standard line 
	5. Thick			Frame, thick line 
7. Margin	1. Least			1 mm
	2. Small			2 mm
	3. Medium			5 mm
	4. Large			10 mm
	5. Text-equal			All margins are adjusted evenly according to the text size
	6. User Set			Set fixed width from right and left margin (1 mm ... 400 mm)
8. Length	1. Auto Length			The length of the printed text depends on the marking and the margin set
	2. User Set			Set fixed length (4 mm ... 400 mm)

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
9. Template	1. Normal			Empty template
	2. Barcode	Barcode Type	Code 39, Code 128, Interleaved 2/5, Codabar, EAN-8, EAN-13, EAN-128, UPC-A	You can implement Micro-QR-Code, DataMatrix and PDF417 via CLIP PROJECT
		Width	Small, Medium, Large	Barcode width
		Display Text	No, Yes	The text encrypted in the barcode is displayed below the barcode.
		Check Code	No, Yes	A check digit is added, if required
	3. Sequence	Auto Length	StaVal	Start value of a sequence of numbers (2 = 2, 3 ...)
			IncVal	Increment of a sequence of numbers (2 = 2, 4, 6...)
			EndVal	Final value of a sequence of numbers (5 = ... 3, 4, 5)
			SepLine	Separator line
			Orient.	Text alignment of the module: horizontal or vertical
			Prefix	Prefix of a sequence of numbers (-X = -X1, -X2...)
			Suffix	Suffix of a sequence of numbers (-X = 1-X, 2-X...)
			Copies	Repetitions (2 = 1, 1, 2, 2...)

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
9. Template	3. Sequence	Pitch	StaVal	Start value of a sequence of numbers (2 = 2, 3 ...)
			IncVal	Increment of a sequence of numbers (2 = 2, 4, 6...)
			EndVal	Final value of a sequence of numbers (5 = ... 3, 4, 5)
			Pitch	Factor for the width
			SepLine	Separator line
			Orient.	Text alignment of the module: horizontal or vertical
			Prefix	Prefix of a sequence of numbers (-X = -X1, -X2...)
			Suffix	Suffix of a sequence of numbers (-X = 1-X, 2-X...)
			Copies	Repetitions (2 = 1, 1, 2, 2...)
	4. Module	Total		Number of modules, [1 ... 64] one line, [1 ... 32] two lines
		Pitch		Width for each module, pitch
		Factor		Factor for the width
		SepLine	Dotted, Thin, Medium, Thick, Off	Separator line
		Orient.	Hor., Ver.	Text alignment of the module: horizontal or vertical
	5. Cable Wrap	Horizontal	Auto Length	Length of the cable marking is adjusted according to space available
			User Set	User-defined length of the cable marking (4 mm ... 400 mm)
		Vertical	Diameter	Diameter of the cable (4 mm ... 100 mm)
			Cross section	Cross section of the cable (0.25 mm²/AWG 22 ... 50 mm²/AWG 0)

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
9. Template	6. Cable Flag	Orient.	Hor., Ver.	Text alignment of the cable flag
		Wrap Length	Diameter	Diameter of the cable (4 mm ... 100 mm)
			Cross section	Cross section of the cable (0.25 mm ² /AWG 22 ... 50 mm ² /AWG 0)
		Flag Length	Auto Length, User Set	Length of the cable flag: automatic or user-defined 4 mm ... 400 mm
		Center Line	Off, Dotted, Thin, Medium, Thick	Center line as folding guide
A. Setup	1. Language	English German French Spanish Italian Czech Dutch Hungarian Polish Portuguese Turkish Korean Japanese		Languages for the menu

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
A. Setup	2. Unit	mm, inch		Units in millimeters or inches
	3. Feed Length	Cur.		Feed length. Default: 10 mm
		Max.		Maximum 400 mm
		Min.		Minimum 4 mm
	4. Display Light	Always On		The display lighting will remain switched on
		Set Time	Cur.	The display lighting is switched off after a specific time. Default: 15 s
			Max.	Maximum 600 s
			Min.	Minimum 15 s
	5. Auto Off	Always On		The device will remain switched on
		Set Time	Cur.	The device is switched off after a specific time. Default: 1 min
			Max.	Maximum 60 min
			Min.	Minimum 1 min
	6. Information	Model		Device type
		Firmware		Firmware version
		Serial Number		Serial number
		Cartridge Type		Type of the inserted material cartridge
		Remain Length		The remaining material length (estimated)
		Battery Status		Charging status of the battery

Table 3-1 Menu [...]

Level 1	Level 2	Level 3	Level 4	Description
A. Setup	7. Date	Year		Specify the current date
		Month		
		Day		
		Date Format		Format: day (dd), month (mm), and year (yyyy) Example: dd/mm/yyyy → 23/06/1977 yyyy-mm-dd → 1977-06-23
	8. Time	Hour		Specify the current time
		Minute		
		Second		
		Time Format		24 hour format: hh:mm:ss → 13:24:59 12 hour format: hh:mm:ss am/pm → 01:24:59 pm
	9. Reset All			Reset to default values

4 Creating the marking

4.1 Creating the marking on the display

4.1.1 Entering and formatting text

Example 1

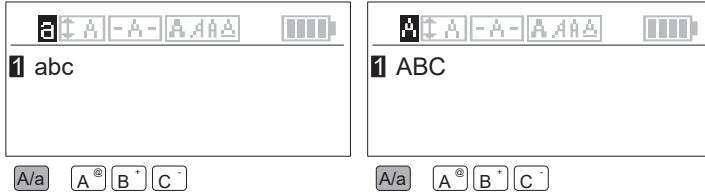


Figure 4-1 Switching between upper case and lower case letters

Example 2

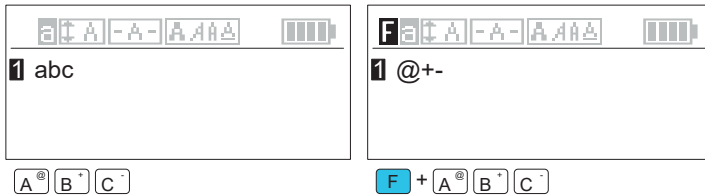


Figure 4-2 Using the alternative key assignment

Example 3

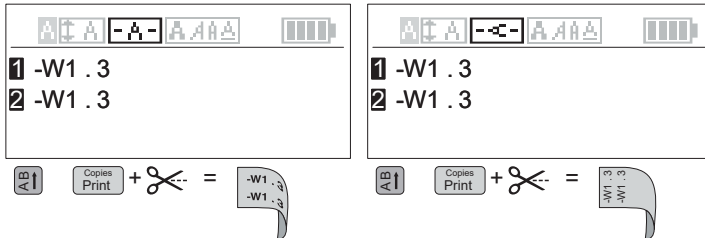


Figure 4-3 Changing the text alignment

Example 4

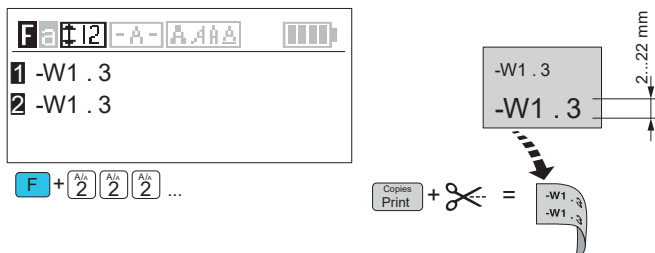


Figure 4-4 Changing font size

Example 5

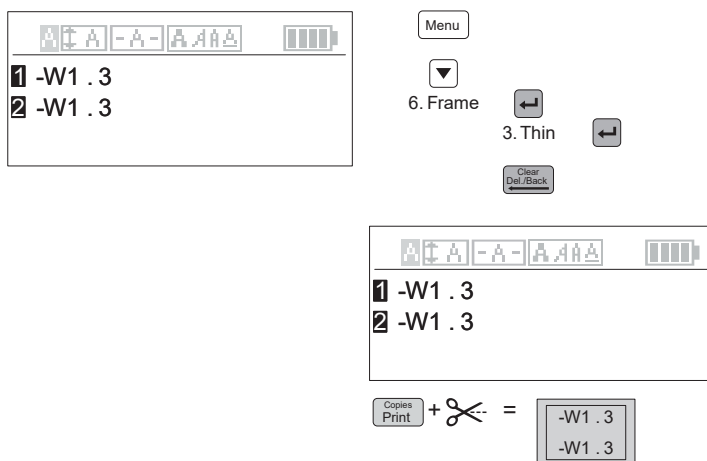






Figure 4-5 Inserting a frame around the text



You can set fixed values, e.g., a fixed width for the margin or a fixed length for the label. To ensure dimension accuracy the printer transports a little piece of material before printing. The printer requests that you cut off this piece before printing.

4.1.2 Inserting symbols

- Press the turquoise  key.
- Select a category using the arrow keys.
 - Punctuation marks
 - General symbols
 - Units
 - Electrical general
 - Electrical components
 - Home electrics
 - Safety symbols
 - Superscript characters
 - Subscript characters
 - Arrows
 - Greek upper case letters
 - Greek lower case letters
 - Mathematical symbols
- Press the  key to select an entry. Go back with .
- Choose a symbol with the arrow keys. A selected symbol has a black background.
- Once you have selected a symbol, press the black  key.
The symbol is accepted and you are returned to the input screen.

An overview of all the symbols available can be found under "Overview of the symbols" on page 33.


4.1.3 Inserting barcode

You can arrange for labels to be marked with a barcode. Move the cursor to the position at which the sequence is to be located.



If you select this template, the entered marking will be deleted. First create the template and then enter the marking.






- Press the turquoise key.
- Select “2. Barcode” . Press the key.
- Select the required settings (see below).
- Press the key to select an entry. Go back with or key.

Selection		Possible entry	Example
Barcode Type	You can implement Micro-QR-Code, DataMatrix and PDF417 via CLIP PROJECT	[Code 39, Code 128, Interleaved 2/5, Codabar, EAN-8, EAN-13, EAN-128, UPC-A]	
Width	Barcode width	[Small, Medium, Large]	
Display Text	The text encrypted in the barcode is displayed below the barcode	[No, Yes]	
Check Code	A check digit is added, if required	[No, Yes]	

“Bar.” is displayed on the input screen.

4.1.4 Numbering labels automatically

You can arrange for labels to be marked with continuous numbers or letters. Move the cursor to the position at which the sequence is to be located.

- Press the turquoise  key.
- Select "3. Sequence". Press the  key.
- Select the required settings (see below).
- Press the  key to select an entry. Go back with  or  key.

Selection A		Example						
Auto Length	The length of the printed text depends on the marking and the margin set	<table border="1"> <tr> <td>A10X</td><td>A11X</td><td>A12X</td></tr> <tr> <td>auto</td><td>auto</td><td>auto</td></tr> </table>	A10X	A11X	A12X	auto	auto	auto
A10X	A11X	A12X						
auto	auto	auto						
Pitch	A width can be determined for each sequence	<table border="1"> <tr> <td>-F10 230V</td><td>-F12 230V</td><td>-F14 230V</td></tr> <tr> <td>17 mm</td><td>17 mm</td><td>17 mm</td></tr> </table>	-F10 230V	-F12 230V	-F14 230V	17 mm	17 mm	17 mm
-F10 230V	-F12 230V	-F14 230V						
17 mm	17 mm	17 mm						

Determining sequence

Selection B		Possible entry	Example
StaVal	Start value	[1 ... 99, aa ... zz, AA ... ZZ]	9 = 9, 10, 11 ... 99
IncVal	Increment	[1 ... x]	2 = 2, 4, 6, 8 ... 98
EndVal	Final value	[1 ... 99, aa ... zz, AA ... ZZ]	40 = ... 38, 39, 40
Pitch	Width for each module	[4 ... 1000.0 in steps of 0.1 mm, mm or inches]	
Not available for "Auto Length"			
SepLine	Separator line	[Dotted, Thin, Medium, Thick, Off]	
Orient.	Text alignment of the module	[Hor., Ver.]	
Prefix	Prefix	[max. 20 characters]	-X = -X1,- X2, -X3,...
Suffix	Suffix		Y = 1Y, 2Y, 3Y ...
Copies	Number of repetitions for each value	[1 ... 99]	3 = 1, 1, 1, 2, 2, 2








"Seq." is displayed on the input screen.

4.1.5 Creating label modules with a fixed width

To label electronic modules, such as terminal blocks or fuses, one label can be printed for all modules. A width ("Pitch") can be determined for each module.



If you select this template, the entered marking will be deleted. First create the template and then enter the marking.

- Press the turquoise  key.
- Select "4. Module" . Press the  key.
- Select the required settings (see page 25).
- Press the  key to select an entry. Go back with  or  key.
- "Mod" appears on the screen.
- Use the arrow keys to select a module and add your marking. If you create three module e.g. „Page01“, „Page02“, „Page03“.
- To leave the „Module“ template, press the green function key  + .

Example 1





Total
Pitch + Factor

SepLine
Orient.

F1 230 V	F2-4 400 V	F5 230 V
1	2	3
1 x 17.5 mm	3 x 17.5 mm	1 x 17.5 mm
Medium		
Horizontal		

Example 2

Total
Pitch + Factor
SepLine
Orient.

			
1	2	3	4
1 x 8.5 mm			
Thick			
Vertical			

Selection		Possible entry	Example
Total	Number of modules	[1 ... 64] one line, [1 ... 32] two lines	12 = 12 modules next to each other
Pitch	Width for each module	[4 ... 1000.0 in steps of 0.1 mm, mm or inches]	10.1 = 10.1 mm wide modules
Factor	Factor for the width	[1 ... 9, in steps of 0.5], factor for the width	2.5 = width x 2.5
SepLine	Separator line	[Dotted, Thin, Me- dium, Thick, Off]	
Orient.	Text alignment of the module	[Hor., Ver.]	

4.1.6 Creating cable marking

When marking cables or conductors, it may be useful to attach a marking that is readable around the cable.

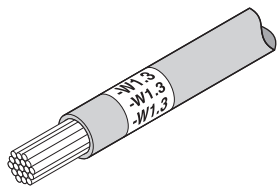








Figure 4-6 Cable marking



If you select this template, the entered marking will be deleted. First create the template and then enter the marking.

- Press the turquoise  key.
- Select “5. Cable Wrap” . Press the  key.
- Select the required settings (see below).
- Press the  key to select an entry. Go back with  or  key.
- You can select measurements with the arrow keys. Some measurements can also be entered directly by using the number keys.

The following settings can be made:

Selection		Possible entry	Example
Cable Wrap	Horizontal text alignment	[Auto Length, User Set]	
	Vertical text alignment	[Diameter, Cross section]	

When using horizontal text alignment, the optimum width of the label can be determined automatically or you can specify a fixed width.

When using vertical text alignment, enter the diameter or the cross section of the cable. The printer then determines the optimum length.

4.1.7 Creating cable flags






For large-area marking of cables, cable flags can be used. To do so, enter the marking for the front side. The back side is printed automatically with the same marking.



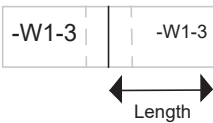
Figure 4-7 Example of a cable flag



If you select this template, the entered marking will be deleted. First create the template and then enter the marking.




- Press the turquoise  key.
- Select "6. Cable Flag" . Press the  key.
- Select the required settings (see below).
- Press the  key to select an entry. Go back with  or  key.
- You can select measurements with the arrow keys. Some measurements can also be entered directly by using the number keys.

The following settings can be made:

Selection		Possible entry	Example
Orient.	Text alignment	[Hor., Ver.]	
Wrap Length	Diameter or cross section of the cable	[Diameter, Cross section]	
Flag Length	Length of the cable flag	[Auto Length, User Set]	
Center Line	Center line	[Off, Dotted, Thin, Medium, Thick]	

Enter the diameter or the cross section of the cable. The printer then determines the optimum length. Alternatively, you can specify a fixed length for the flag.

4.2 Printing

- Press the  key, to print the marking once.
- To print multiple copies, press the  key and the green  function key simultaneously.
- If you choose multiple copy, select whether to cut now or later.
If you choose to cut later, the printer can add a line at the cutting position.
If you choose the cutting option, you will be asked to cut. After cutting the device continues printing.

5 Maintenance and troubleshooting

5.1 Troubleshooting

Table 5-1 Troubleshooting

Problem	Possible cause	Remedy
Print image is blurred or missing in places	Print head or print roller is dirty	Clean the print head and print roller (see 5.1.2)
	The tension of the ink ribbon is too low	To increase the tension of the material, turn the ink ribbon coil
Material is not supplied	The material is not pulled out far enough from the material cartridge	Unwind the material approx. 5 mm off the material cartridge. To increase the tension of the material, turn the ink ribbon coil
	Material is stuck in the printer	Carefully remove the material from the printer. Cut off damaged material. Unwind the material approx. 5 mm off the material cartridge. To increase the tension of the material, turn the ink ribbon coil
	Material cartridge is empty	Insert new material cartridge (see 2.4)
	Compartment for material cartridge is open	Close compartment
Material is supplied but not printed	Ink ribbon is torn	Insert new material cartridge (see 2.4)
Printer too loud	Material cartridge is not inserted correctly	Insert material cartridge correctly (see 2.4)
	Material cartridge is defective	Insert new material cartridge (see 2.4)
	Compartment for material cartridge is open	Close compartment
Printer prints slowly	Printing speed is automatically set	If the battery charge is too low the printing speed is reduced. This ensures a high-quality print

Table 5-1 Troubleshooting

Problem	Possible cause	Remedy
The printer cannot be switched on	Batteries are empty	Change batteries
	Batteries are inserted incorrectly	Insert batteries correctly
	Rechargeable battery is empty	Recharge battery
	Rechargeable battery is inserted incorrectly	Insert rechargeable battery correctly
	No power supply	Connect the power supply unit
Printer switches off automatically	Auto off function is activated	Check menu entry (see "A. Setup, 5. Auto Off")
Battery is not charged	Battery is inserted incorrectly	Insert battery correctly
	No power supply	Connect the power supply unit
	Rechargeable battery is defective	Dispose of battery properly and insert new battery

Table 5-1 Troubleshooting

Problem	Possible cause	Remedy
Display lighting switches off automatically	Auto off function of the display lighting activated	Check menu entry (see "A. Setup, 4. Display Light")
No input possible	General system error	Switch device off and on. Disconnect the device from power supply. Remove batteries. Insert new ones
Cutting is stiff	Type of material being used	Some materials have a higher material thickness. These materials need more cutting force than other materials

5.2 Error messages

Table 5-2 Error messages

Error message	Possible cause	Remedy
"Cutter Error"	Cutter was used while printer was printing. Printing is interrupted.	Press any key (except <input type="button" value="ON/OFF"/> or <input type="button" value="Light"/>)
"End of Tape"	Material cartridge is empty	Insert new material cartridge
"Input Too Long"	The limit on the number of characters that can be printed has been reached	Reduce number of characters or increase label length
"No Cartridge"	No material cartridge inserted	Insert the material cartridge
"No Lines Left"	The limit on the number of lines that can be printed on has been reached	Reduce number of lines or use wider material
"No Tape"	Material cartridge not found	Insert new material cartridge
"Please Cut"	Printer is waiting for the material to be cut	Activate the cutter. Press any key to continue
"Press Any Key"	Printer is awaiting input	Press any key (except <input type="button" value="ON/OFF"/> or <input type="button" value="Light"/>)

5.3 Repairs



WARNING: Risk to operational reliability

Incorrect operation or modifications to the device can endanger your safety or damage the printer. Do not repair the product yourself. If the device is defective, please contact DINTEK.

5.4 Firmware update

To benefit from updates or extended functions, a firmware update and a firmware update tool can be downloaded at DINTEK.

5.5 Disposal



The device contains valuable recyclable materials, which should be utilized.

Dispose of the printer separately from other waste, i.e., via an appropriate collection site.



Dispose of the battery separately from other waste, i.e., via an appropriate collection site.

6 Appendix

6.1 Technical data

Technical data	
Resolution	203 dpi
Print mode	Thermal transfer
Print speed	12 mm/s
Print length	4 mm ... 2200 mm
Print width, maximum	24 mm
Interfaces	USB
Display and operation	2.5" LCD display, ABC keyboard
Voltage	100 V AC ... 240 V AC, 50/60 Hz
Power	36 W, maximum
Temperature	
Operation	+5°C ... +40°C
Storage	-18°C ... +60°C
Transport	-25°C ... +60°C
Humidity	
Operation	10 % ... 90 %
Storage	5 % ... 90 %
Transport	5 % ... 95 %
Approvals	CE, UL, FCC-B, ICES
Approval for Canada as per ICES-003	CAN ICES-3 (B)/NMB-3(B)
Dimensions (H x D x W)	230 mm x 98 mm x 69 mm
Weight	656 g

6.2 Overview of the symbols

Table 6-1 Overview of the symbols

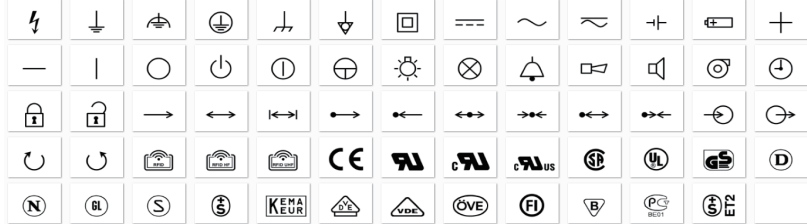
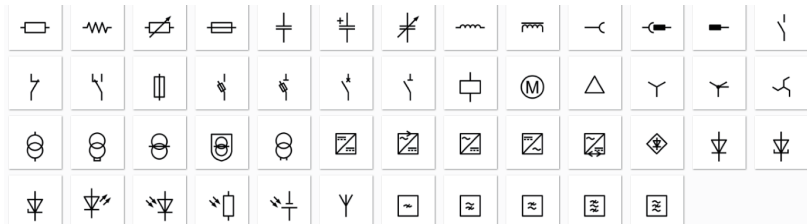

Category	Symbols
Punctuation	! " # & ' () * , . / : ; ? [\] ^ _ { } ~ ¿ ¡ ‘ ’ , “ ”
General symbols	§ © ® ° μ ¶ @
Units	\$ £ ¢ ¤ ¥ € ° ´ ¨ % ‰ °C °F μm mm cm km ft mm² cm² m² km² mm³ cm³ m³ mg kg ml dl μV mV kV μA mA kA mW kW MW mW kW MW pF nF μF Hz kHz MHz GHz dB Pa ha mb
Electr. General	 <p>A grid of 150 electrical general symbols, including lightning bolts, ground symbols, various connection types, and certification logos like CE, UL, and others.</p>
Electr. Comp.	 <p>A grid of 100 electrical component symbols, including resistors, capacitors, inductors, diodes, transistors, and other electronic components.</p>
Home Electrics	 <p>A grid of 60 home electrics symbols, including light bulbs, switches, outlets, and various household electrical fixtures.</p>

Table 6-1 Overview of the symbols

Category	Symbols																										
Safety Signs																											

Table 6-1 Overview of the symbols

Category	Symbols
Greek Upper Case	Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Τ Υ Φ Χ Ψ Ω
Greek Lower Case	α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ ς σ τ υ φ χ ψ ω
Mathemati- cal	% + - < = ≠ > ≤ ≥ ± ² ³ ¹ º ¼ ½ ¾ ÷ ‰ × I II III IV V VI VII VIII IX X

How to contact us

Internet

Up-to-date information on DINTEK products and our Terms and Conditions can be found on the Internet at: www.dintek.com.tw

Make sure you always use the latest documentation.

It can be downloaded at: <https://printer.dintek.com.tw>

Subsidiaries

If there are any problems that cannot be solved using the documentation, please contact your DINTEK distributor.

Distributor contact information is available from: sales@dintek.com.tw

Published by

DINTEK Electronic Limited.

Should you have any suggestions or recommendations for improvement of the contents and layout of our manuals, please send your comments to:

sales@dintek.com.tw

Warranty & RMA Process

In the unlikely event that your DLP-010 testers should develop an issue, we encourage you to contact the local agent that you purchased your testers from, or alternatively fill out the online form by going to <https://rma.dintek.com.tw> or by scanning the QR Code below. Our dedicated team will guide you through the process of diagnosing the problem and determining the best course of action. If the issue is covered under our warranty, you will be provided with instructions on how to return the tester for repair or replacement.

For issues not covered by the warranty, either your local agent or DINTEK will work with you on finding a resolution to get you up and running again.

Rest assured, our priority is to ensure that your DLP-010 testers are functioning optimally and that any disruptions to your operations are minimized.

DINTEK Online Form QR Code

To fill in this form, please make sure you have the following.

- 1 | Tester serial number
- 2 | The name of the dealer you purchased from
- 3 | Date of purchase
- 4 | Contact details & email address



DINTEK

DLP-010



DINTEK ezi-LABEL
熱感式標籤印表機

使用說明書

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1. 注意事項

請仔細閱讀本說明書並妥善保管以備將來參考。

1.1 警告指示說明



此為安全警示符號，用於提醒您潛在的傷害與危險。潛在傷害依嚴重性可分為三種：

危險

表示高風險的危險，如果不避免該危險，可能會導致嚴重傷害或甚至死亡。

警告

表示中等風險的危險，如果不避免該危險，可能會導致嚴重傷害或更嚴重的結果。

注意

表示低風險的危險，如果無法避免該危險，則可能會導致輕微或中等傷害。



此符號帶有警示注意之意，警告可能會導致裝置損壞或故障的行為。



可以找到其他資訊或更多的參考來源。

1.2 使用者建議

本使用說明書針對熟悉處理電氣機械相關安全概念的人士所撰寫，使用者請確保具備相關知識與經驗，能夠啟動、操作和維護設備，並能識別危險。

1.3 應用範圍

DLP-010是一款便於攜帶的熱感式標籤印表機，適用於工業用途。DLP-010熱感式標籤印表機可列印自黏性或非自黏性的標籤紙以及熱縮套管，用於標記電線電纜。DLP-010所使用的標籤卡匣內含特殊材料的標籤及相對應的墨帶，僅供DLP-010熱感式標籤印表機所使用。

1.4 其他注意事項

不正確的操作或對設備的改裝，可能損壞標籤印表機、影響使用並造成危險。產品經精密設計組裝，使用者請勿自行修理產品，如果設備有缺陷，請立即聯繫DINTEK。

不正確的使用電池可能引起爆炸危險、火災危險和健康危險

- 僅在良好狀態下使用乾電池。
- 切勿損壞電池（例如：用力扔擲、按壓電池或使用尖銳物體毀損電池）。切勿將電池暴露於高溫環境（例如：火焰或陽光長時間曝曬）。切勿讓電池暴露於潮濕或鹽水環境。
- 安裝電池時請注意正確的方向性。
- 僅在DLP-010或指定的充電器中充電，請勿使用其他充電器，（例如：汽車中的點煙器插座）。
- 充電電池的溫度範圍：0°C~45°C
- 將電池單獨存放在乾燥和陰涼的地方。

設備損壞

- 請勿在高壓線附近操作標籤印表機。
- 僅在乾燥的地方（避免噴霧）操作標籤印表機。
- 保護標籤印表機和標籤卡匣免於濕氣、潮濕和污垢的影響。
- 僅將標籤印表機連接到具有保護性且超低電壓的系統。
- 要將標籤印表機連接到電源時，僅使用提供的電源供應器。

2. 開始使用

2.1 包裝內容物

DINTEK DLP-010 標準配件

- 熱感式標籤印表機
- 電源供應組 (包含四種不同規格轉接插頭)
- USB-A對USB-B線
- 使用說明書

選擇性配件

- 可充電鋰電池 VBK100 7.4v 2600mAh 19.24W
- 標籤卡匣

一般標籤

- 2306-12000 10mm/24mm 白底黑字 (PET)
- 2306-12000 10mm/24mm 黃底黑字 (PET)

環繞式標籤

- 2306-12153 10mm/24mm 白底黑字 (Vinyl)
- 2306-12154 10mm/24mm 黃底黑字 (Vinyl)

2.2 設備概述

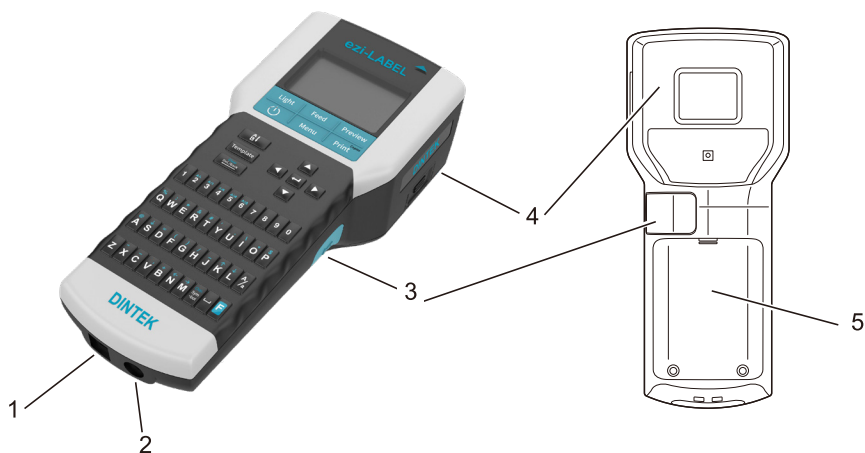


圖2-1 認識DLP-010熱感式標籤印表機

- 1 - USB 連接埠
- 2 - 電源插孔
- 3 - 裁切刀
- 4 - 標籤卡匣槽
- 5 - 電池槽

2.3 電源連接

DLP-010的供電方式有以下三種

- 6 x AA鹼性電池
- 交流電源
- 鋰電池

使用DLP-010標籤印表機電源線時，若其中有安裝鋰電池，則鋰電池會自動充電。電池也可以使用外部充電器充電。

DLP-010電源線設計用於100至240V交流電，僅能將標籤印表機連接到附帶的電源供應組。

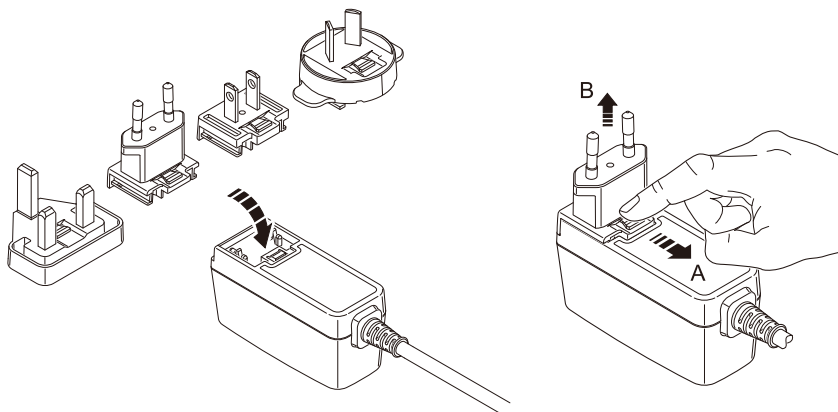


圖2-2 電源轉接頭

- 安裝轉接插頭時，輕微傾斜插頭並將其放在基座前方，然後稍微用力按下安裝。要拆卸時，請將基座上的滑塊拉向後方，即可拆卸。
- 將電源連接線插入標籤印表機的插座。
- 將電源連接到接地插座。

2.4 安裝標籤卡匣

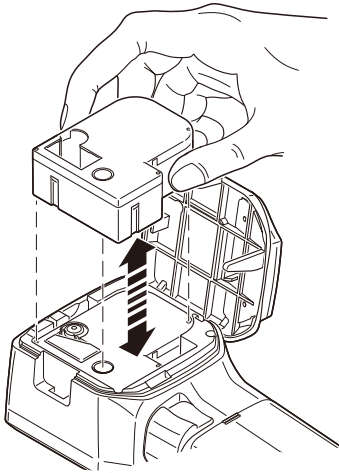




圖2-3 安裝標籤卡匣

- 確認標籤卡匣方向，保持卡匣直立，從上方放置到標籤印表機中，聽到“咔嗒”聲表示安裝正確。
- 要取出標籤卡匣時，請保持直立由下往上拉。



注意：如果標籤印表機長時間不使用，請將標籤卡匣從取出。

2-5 開機

- 按下  鍵
- 按下  鍵直到螢幕亮起

3.基本操作

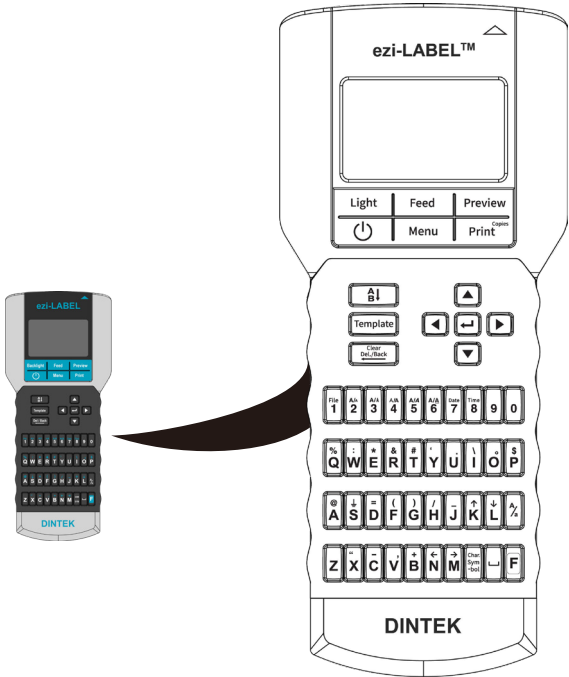









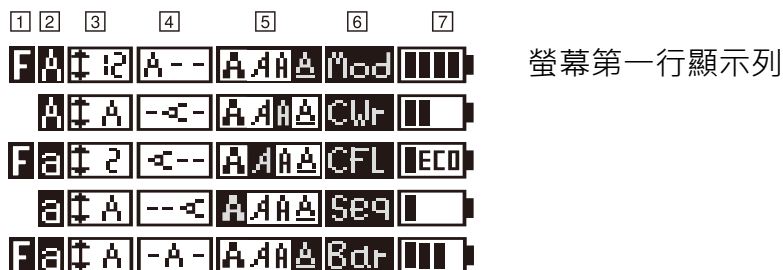
圖3-1 標籤印表機操作版面

按鍵		
藍色特殊按鍵		
ON/OFF	開機/關機鍵	
F	功能鍵。按下功能鍵可切換字母至上方藍色字元（例如：從A切換至@）	
藍色按鍵		按下功能鍵
Light	螢幕背景光	—
Feed	進紙	—
Preview	列印結果預覽	—
Menu	主選單 在輸入值時按下此按鍵，可儲存並返回輸入頁	—
Copies Print	列印	多份列印

L

按鍵		
黑色特殊按鍵		按下功能鍵
	選擇模板	—
	改變文字方向（水平 / 垂直）	—
	確認輸入・換行（最多6行）	—
	主選單頁：回到上一層 輸入頁：刪除文字	輸入頁：刪除整段文字內容
	大小寫切換	—
	空白鍵	—
	選擇符號	特殊符號如：â、È、i、C
黑色按鍵		按下功能鍵
Num- bers	輸入數字0-9	1 = 文件檔案 2 = 字體大小 3 = 窄體 4 = 粗體 5 = 斜體 6 = 下底線 7 = 日期 8 = 時間
Letters	輸入字母A-Z	
Arrow keys	換行、在主選單中選取	



3.1 顯示



- ① F 表示藍色 (F) 功能鍵已被按下，按下功能鍵可切換字母至上方藍色字元 (例如：從A切換至@)
- ② 顯示使用大寫字母或小寫字母，可用 (A/a) 鍵進行切換
- ③ 標示行高 (單位：毫米)。A 表示自動，行高會依據可用空間進行調整。可同時按下藍色 (F) 功能鍵與數字鍵2來切換，可多次按數字鍵2來設定所需要的行高 (自動、2mm-22mm)
- ④ (☐) 鍵可切換文字對齊方式，順序如下：
 1. 水平置中 4. 垂直靠右
 2. 垂直置中 5. 水平靠左
 3. 水平靠右 6. 垂直靠左
- ⑤ 文字格式 (粗體、斜體、窄體、下底線)，可同時按下功能鍵與數字鍵切換：

3 = 窄體 4 = 粗體 5 = 斜體 6 = 下底線
- ⑥ 特殊版面列印方式設定
 - 固定寬度 (“Mod” 詳見4.1.5)
 - 線纜標籤 (“CWr” 詳見4.1.6)
 - 線纜旗幟標籤 (“CFL” 詳見4.1.7)
 - 插入一維條碼 (“Bar” 詳見4.1.3)
 - 插入序號 (“Seq” 詳見4.1.4)
- ⑦ 電源狀態

3.2 主選單

使用箭頭鍵在主選單中移動選擇，按  選取，按  返回。

主選單預設為英文，如要更改語言請按照以下步驟：

- 按下  按鍵
- 選擇 “A. Setup” 按下  鍵
- 選擇 “1. Language” 按下  鍵
- 選擇語言，按下  鍵
- 按  返回或是按  鍵回到主選單

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
1. 檔案	1. 儲存			儲存標籤檔
	2. 載入			載入儲存的標籤檔(1-20個檔案)
	3. 列印			列印保存的標籤檔
	4. 刪除			刪除保存的標籤檔
2. 字體	1. 尺寸	自動	字體根據可用空間調整尺寸	
		2mm - 22mm	字體尺寸(單位：毫米)	ABC
	2. 樣式	1. 粗體	粗體	ABC
		2. 斜體	斜體	ABC
		3. 窄體	窄體	ABC
		4. 下底線	下底線	ABC
		5. 鏡像	鏡像	ABC

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
3. 符號	標點符號			標點符號 ! " #
	通用符號			通用符號 § © ®
	單位			單位 \$ £ ¢
	電氣通用符號			電氣通用符號 ⚡ ⚙
	電氣元件			電氣元件 ⚡
	家用電器			家用電器 ⚡ ⚙
	安全標誌			安全標誌 ⚠ ⚡
	上標			上標文字 ± - +
	下標			下標文字 ± - +
	箭頭			箭頭 ← ↑ →
	大寫希臘字母			大寫希臘字母 Α Β Γ Δ
	小寫希臘字母			小寫希臘字母 α β γ δ
	數學符號			數學符號 ± ≥ ≠
4. 方向	水平			水平對齊 ABC
	垂直			垂直對齊 C D E
5. 對齊	靠左對齊			靠左對齊 ABC
	置中			置中 ABC
	靠右對齊			靠右對齊 ABC

表3-1 主選單





第一層	第二層	第三層	第四層	敘述	
6. 外框	1. 無外框			無外框	
	2. 虛線			虛線外框	
	3. 細			細外框	
	4. 中			標準外框	
	5. 粗			粗外框	
7. 邊界距離	1. 最緊密			與左側與右側邊界的距離	1 mm
	2. 小				2 mm
	3. 中				5 mm
	4. 大				10 mm
	5. 與文字相同			根據文字大小平均調整	
	6. 使用者設定			設定固定邊界(1-400mm)	
8. 長度	1. 自動			根據文字與邊界自動調整	
	2. 使用者設定			設定固定長度(4-400mm)	

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
9. 模板	1. 一般			
	2. 一維條碼	條碼型式	Code 39, Code 128, Interleaved 2/5, Codabar, EAN-8, EAN-13, EAN-128, UPC-A	可透過CLIP PROJECT執行Micro-QRCode, DataMatrix 或 PDF417
		寬度	小, 中, 大	條碼寬度
		顯示文字	否, 是	條碼下方顯示文字
		檢查字元	否, 是	添加一個檢查字元
	3. 標籤序列	自動	StaVal	序列的開始值 (2 = 2, 3, ...)
			IncVal	序列的間隔值 (2 = 2, 4, 6, ...)
			EndVal	序列的結束值 (5 = ... 3, 4, 5)
			SepLine	分隔線
			方向	文字橫向或直向
			前綴	數字序列的前綴 (-X = -X1, -X2 ...)
			後綴	數字序列的後綴 (-X = 1-X, 2-X ...)
			重複	重複次數 (2 = 1, 1, 2, 2, ...)

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
		基準間距	StaVal	序列的開始值 (2 = 2, 3, ...)
			IncVal	序列的間隔值 (2 = 2, 4, 6, ...)
			EndVal	序列的結束值 (5 = ... 3, 4, 5)
			基準間距	寬度係數
			SepLine	分隔線
			方向	文字橫向或直向
			前綴	數字序列的前綴 (-X = -X1, -X2 ...)
			後綴	數字序列的後綴 (-X = 1-X, 2-X ...)
			重複	重複次數 (2 = 1, 1, 2, 2, ...)
	4. 標籤模組	數量		數量, [1...64]一行, [1...32]兩行
		基準間距		各標籤的寬度, 基準間距
		寬度係數		寬度係數
		分隔線	虛線, 細, 中等, 粗, 無	分隔線
		文字方向	水平, 垂直	文字方向
	5. 環繞式標籤	水平	自動	標籤長度根據可用的空間調整
			使用者設定	使用者自訂長度 (4-400mm)
		垂直	直徑	線纜直徑 (4-100mm)
			截面積	線纜截面積 (0.25mm ² /AWG22... 50mm ² /AWG0...)

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
	6. 旗幟標籤	文字方向	水平, 垂直	文字方向
		包覆長度	直徑	線纜直徑(4-400mm)
			截面積	線纜截面積 (0.25mm ² /AWG22... 50mm ² /AWG0...)
		旗幟長度	自動, 使用者 設定	旗幟標籤的長度自動或是使用者 設定(4-400mm)
		中心線	無, 虛線, 細, 中等, 粗	摺疊處的中心線：無, 虛線, 細, 中 等, 粗
A. 設定	1. 語言	英文 德文 法文 西班牙文 義大利文 捷克文 荷蘭文 匈牙利文 波蘭文 葡萄牙文 土耳其文 韓文 日文		選單語言

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
	2. 單位	毫米, 英吋		顯示單位毫米或英吋
	3. 進紙長度	預設		預設10mm
		最大		最大400mm
		最小		最小4mm(依據標籤紙的大小而定)
	4. 背光顯示	維持開啟		背光維持開啟
		設定時間	預設	一定時間後背光關閉, 預設為15s
			最大	最大600s
			最小	最小15s
	5. 自動關機	維持開啟		維持開機
		設定時間	預設	一定時間後自動關機, 預設為1min
			最大	最大60min
			最小	最小1min
	6. 資訊	型號		設備型號
		版本		軟體版本
		序號		序號
		標籤卡匣		標籤卡匣類型
		剩餘長度		標籤卡匣剩餘長度
		電池狀態		電池狀態

表3-1 主選單

第一層	第二層	第三層	第四層	敘述
	7. 日期	年		設定日期
		月		
		日		
		日期格式		格式：日(dd), 月(mm), 年(yyyy) 範例： dd/mm/yyyy -> 23/06/1977 yyyy-mm-dd -> 1977-06-23
	8. 時間	時		設定時間
		分		
		秒		
		時間格式		24時格式：hh:mm:ss -> 13:24:59 12時格式：hh:mm:ss am/pm -> 01:24:59 pm
	9. 重置			重置

4. 標籤建立

4.1 標籤預覽

4.1.1 輸入文字

範例1

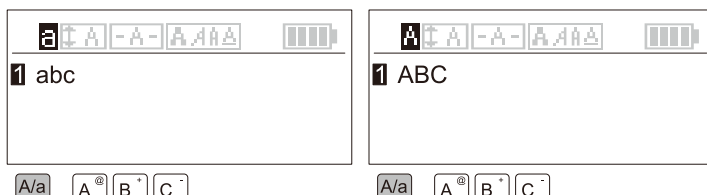


圖4-1 選擇大寫或小寫字母

範例2

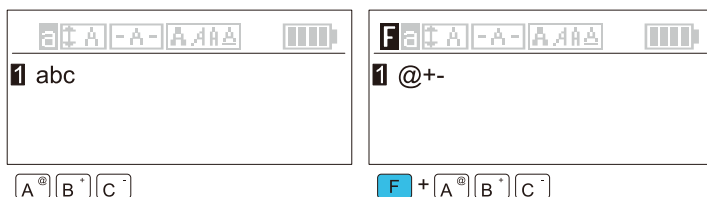


圖4-2 使用功能鍵調整

範例3

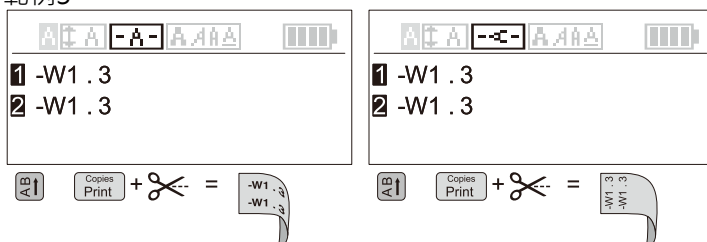


圖4-3 調整文字方向

範例4

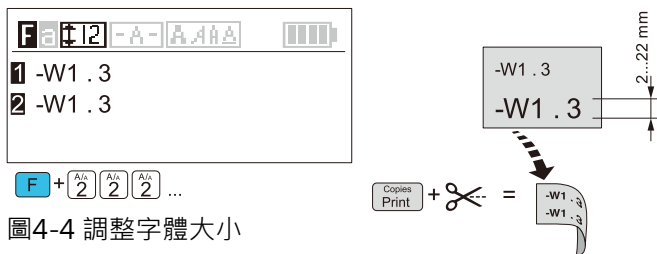


圖4-4 調整字體大小

範例5

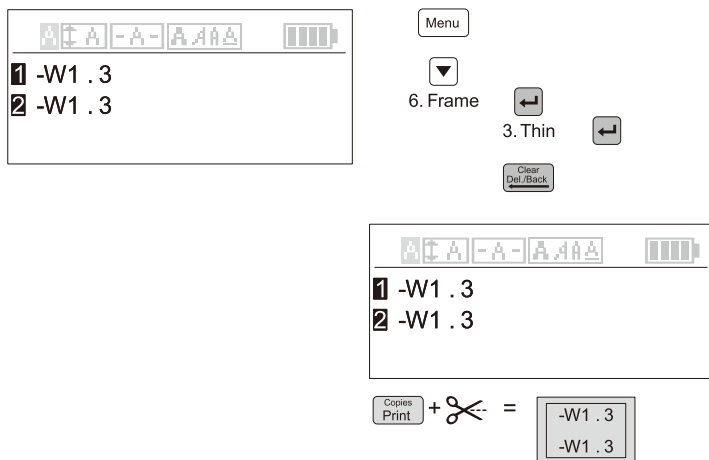






圖4-5 選擇邊框



可以將邊界距離或標籤寬度設定為固定值。為了使標籤長度正確，每次正式列印前，標籤印表機會先進紙一小段，使用者必須使用裁切刀剪掉，才能執行正式列印。

4.1.2 插入符號

- 按下  按鍵
- 選擇符號類別
 - 標點符號
 - 通用符號
 - 單位
 - 電氣通用符號
 - 電氣元件
 - 家用電器
 - 安全標誌
 - 上標
 - 下標
 - 箭頭
 - 大寫希臘字母
 - 小寫希臘字母
 - 數學符號
- 按下  確認輸入符號，或按下  返回
- 選擇符號
- 選好以後按下  鍵，回到輸入頁面








符號清單請查看第33頁表6-1符號表。


4.1.3 一維條碼

可以為標籤製作一維條碼



若先輸入文字才選擇模板，則輸入的文字會被刪除。請記得先建立模板後再輸入文字。








- 按下  按鍵
- 選擇 “2. Barcode” 再按下  鍵
- 選擇設定 (請見下表)
- 按下  鍵確認選擇，再按下  或  回到選單
- 若要退出，請按藍色功能鍵  + 

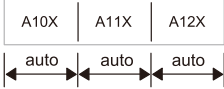
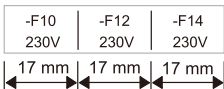
選擇		選項	範例
條碼型式	可透過CLIP PROJECT執行Micro- QR Code, DataMatrix 或 PDF417	Code 39, Code 128, Interleaved 2/5, Codabar, EAN-8, EAN-13, EAN-128, UPC-A	
寬度	條碼寬度	小, 中, 大	
顯示文字	條碼下方顯示文字	否, 是	
檢查字元	添加一個檢查字元	否, 是	

“Bar.” 將顯示在輸入頁面中

4.1.4 標籤序列

可以為標籤設定連續的編號或字母

- 按下  按鍵
- 選擇 “3. Sequence” 再按下  鍵
- 選擇設定 (請見下表)
- 按下  鍵確認選擇，再按下  或  回到選單
- 若要退出，請按藍色功能鍵  + 

選擇 A	說明	範例
自動	文字的長度依據標籤和邊界的設定	
基準間距	可設定每個序列的寬度	

設定序列

選擇 B		選項	範例
StaVal	序列的開始值	[1 ... 99, aa ... zz, AA ... ZZ]	9 = 9, 10, 11 ... 99
IncVal	序列的間隔值	[1 ... x]	2 = 2, 4, 6, 8 ... 98
EndVal	序列的結束值	[1 ... 99, aa ... zz, AA ... ZZ]	40 = ... 38, 39, 40
Pitch “自動長度” 無法設定	各標籤的寬度	4.0-1000.0毫米或是英寸	
SepLine	分隔線	虛線, 細, 中等, 粗, 無	
方向	文字方向	水平, 垂直	
前綴	前綴	最多20個位元	-X = -X1, -X2, -X3, ...
後綴	後綴		Y = 1Y, 2Y, 3Y ...
重複	重複	[1 ... 99]	3 = 1, 1, 1, 2, 2, 2

“Seq.” 將顯示在輸入頁面中

4.1.5 標籤模組

可以依照標籤的使用目的與對象，進行不同寬度的設定



若先輸入文字才選擇模板，則輸入的文字會被刪除。請記得先建立模板後再輸入文字。

- 按下 按鍵
- 選擇 “4. Module” 再按下 鍵
- 選擇設定（請見下頁）
- 按下 鍵確認選擇。按下 或 回到選單。
- 螢幕顯示 “Mod”
- 用箭頭選擇一個標籤來添加，若建立三個標籤，則出現 Module01、Module02、Module03
- 若要退出，請按藍色功能鍵 + 按鍵

範例 1

	F1 230 V	F2-4 400 V	F5 230 V
標籤數	1	2	3
基準間距和寬度係數	1 x 17.5 mm	3 x 17.5 mm	1 x 17.5 mm
分隔線	Medium		
文字方向	Horizontal		

範例 2

	1	2	3	4
標籤數	1	2	3	4
基準間距和寬度係數	1 x 8.5 mm			
分隔線	Thick			
文字方向	Vertical			

選擇		選項	範例
數量	標籤數量	[1...64]一行, [1...32]兩行	12 = 12標籤並排
基準間距	標籤的間距	4.0-1000.0毫米或 英寸	10.1 = 10.1mm寬 的標籤
寬度係數	寬度係數	1-9	2.5 = 寬度*2.5
分隔線	分隔線	虛線, 細, 中等, 粗, 無	
文字方向	文字方向	水平, 垂直	

4.1.6 環繞式標籤

環繞式標籤是很實用的線纜標記方式

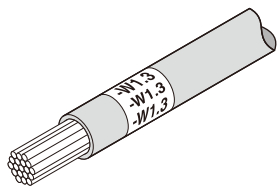










圖4-6 環繞式標籤



若先輸入文字才選擇模板，則輸入的文字會被刪除。請記得先建立模板後再輸入文字。

- 按下  按鍵
- 選擇 “5. Cable Wrap” 再按下  鍵
- 選擇設定（請見下表）
- 按下  鍵確認選擇，再按下  或  回到選單
- 可選擇尺寸，或自行輸入
- 若要退出，請按藍色功能鍵  + 

選擇		選項	範例
環繞式標籤	水平對齊	自動, 使用者自訂	
	垂直對齊	直徑, 截面積	

若使用水平對齊，系統會自動決定最佳寬度，或是使用者也可以手動輸入設定；若使用垂直對齊，輸入設定直徑與截面積，標籤印表機會決定最佳長度。

4.1.7 旗幟標籤








若要大範圍進行線纜標記時，旗幟標籤是很實用的標記方式。輸入正面的標記文字，背面會自動列印相同的文字。



圖4-7 旗幟標籤



若先輸入文字才選擇模板，則輸入的文字會被刪除。請記得先建立模板後再輸入文字。

- 按下  按鍵
- 選擇 “6. Cable Wrap” 再按下  鍵
- 選擇設定 (請見下表)
- 按下  鍵確認選擇，再按下  或  回到選單
- 可選擇尺寸，或自行輸入
- 若要退出，請按藍色功能鍵  + 

選擇		選項	範例
文字方向	文字方向	水平, 垂直	
包覆長度	直徑或截面積	直徑, 截面積	
旗幟長度	旗幟長度	自動, 使用者設定	
中心線	中心線	無, 虛線, 細, 中等, 粗	

輸入線纜的直徑或截面積，系統會自動決定最佳寬度，或是使用者也可以手動輸入設定。

4.2 標籤印製

- 按下  按鍵，可列印標籤一次
- 若要印製多份標籤，同時按下  與藍色功能鍵 
- 若選擇印製多份，請再選擇是否切割。若選擇不切割，標籤印表機將在切割位置增加一條虛線。

5. 維護與偵錯

5.1 故障排除

表5-1 故障排除

問題	可能原因	排除方法
印出的字樣模糊或某些部分缺失	印刷頭或滾輪有髒汙	清潔印刷頭或滾輪
	色帶張力太低	轉動色帶滾輪，提高張力
無法進紙	標籤卡匣未拉出足夠的長度	將標籤卡匣中的標籤紙拉出約5mm長度，並轉動色帶滾輪提高張力
	標籤卡匣的標籤紙卡住	小心地取出標籤卡匣，裁斷前方毀損的部分，將標籤卡匣中的標籤紙拉出約5mm長度，並轉動色帶滾輪提高張力
	標籤已用完	放入新的標籤卡匣
	標籤卡匣槽未關緊	將標籤卡匣安裝好並關緊
有進紙但無法列印	色帶斷裂	放入新的標籤卡匣
標籤印表機聲音過大	標籤卡匣未正確安裝	將標籤卡匣安裝好並關緊
	標籤卡匣毀損	放入新的標籤卡匣
	標籤卡匣槽未關緊	將標籤卡匣安裝好並關緊
標籤印表機列印太慢	列印速度為自動設定	電池電量太低有可能降低列印速度





表5-1 故障排除

問題	可能原因	排除方法
無法開啟標籤印表機	電池低電量	將電池充電
	電池未正確安裝	正確安裝電池
	可充電電池低電量	將電池充電
	可充電電池未正確安裝	正確安裝電池
	無電源供應	連接電源
標籤印表機自動關機	自動關機能啟動	檢查設定 (A.設定>>5.自動關機)
電池無法充電	電池未正確安裝	正確安裝電池
	無電源供應	連接電源
	可充電電池毀損	妥善處理廢棄電池並安裝新的電池

表5-1 故障排除

問題	可能原因	排除方法
背光自動關閉	背光自動關閉功能啟動	檢查設定 (A.設定>>4.背光顯示)
無法輸入	系統錯誤	將標籤印表機關機，拔除電池或斷開電源，之後再重新接通、開機
裁切不易	與標籤紙材質有關	標籤材質較厚，可能導致裁切不易

5.2 錯誤訊息

錯誤訊息	可能原因	排除方法
Cutter Error	列印過程中使用裁切刀，造成列印中斷	按任意鍵（除  與  之外）
End of Tape	標籤卡匣紙已用完	放入新的標籤卡匣
Input Too Long	輸入的字數太長	減少輸入的字數或增加標籤長度
No Cartridge	未插入標籤卡匣	裝入標籤卡匣
No Lines Left	已達到可列印行數的極限	減少行數或使用更寬的標籤
No Tape	未找到色帶	裝入新的標籤卡匣
Please Cut	標籤印表機等待裁切	使用裁切，按任意鍵繼續
Press Any Key	標籤印表機等待輸入	按任意鍵（除  與  之外）

5.3 修復



警告：操作風險

錯誤操作或任意更改設備可能造成危險，或導致標籤印表機毀損。如果標籤印表機有毀損，請聯繫DINTEK。

5.4 軟體更新

請從DINTEK官網下載更新的軟體。

5.5 處理和回收資訊



標籤印表機中包含可回收的材料，應正確回收處理。請將標籤印表機送去適當的回收站，獨立於一般廢棄物處理。



請將電池送去適當的回收站，獨立於一般廢棄物處理。

6. 附錄

6.1 規格

Technical data 規格表	
Resolution 解析度	203 dpi
Print mode 列印方式	Thermal transfer
Print speed 列印速度	12 mm/s
Print length 列印長度	4 mm ... 2200 mm
Print width, maximum 最大列印寬度	24 mm
Interfaces 連接埠	USB
Display and operation 螢幕與鍵盤	2.5" LCD display, ABC keyboard
Voltage 電壓	100 V AC ... 240 V AC, 50/60 Hz
Power 功率	36 W, maximum
Temperature 溫度	
Operation 運作	+5°C ... +40°C
Storage 儲存	-18°C ... +60°C
Transport 運輸	-25°C ... +60°C
Humidity 濕度	
Operation 運作	10 % ... 90 %
Storage 儲存	5 % ... 90 %
Transport 運輸	5 % ... 95 %
Approvals 認證	CE, UL, FCC-B, ICES
Approval for Canada as per ICES-003	CAN ICES-3 (B)/NMB-3(B)
Dimensions (H x D x W) 尺寸	230 mm x 98 mm x 69 mm
Weight 重量	656 g

6.2 符號

表6-1 符號表

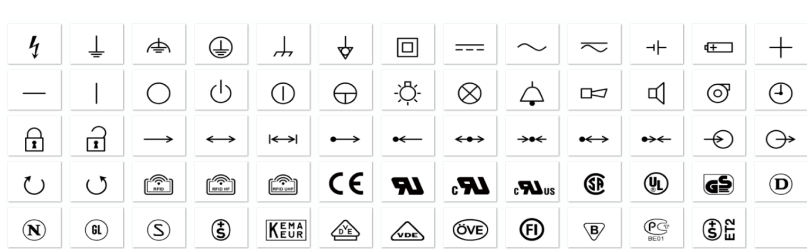
類別	符號
標點符號	! " # & ' () * , . / : ; ? [\] ^ _ { } ~ ` ¡ ¢ £ ¤ ¥ ¦ § ¨ © ª « ¬ ® ¯ ° ± ² ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾
通用符號	§ © ® ° µ ¶ @
單位	\$ £ ¢ ¤ ¥ € ° ´ ¨ % ‰ °C °F µm mm cm km ft mm² cm² m² km² mm³ cm³ m³ mg kg ml dl µV mV kV µA mA kA mW kW MW mW kW MW pF nF µF Hz kHz MHz GHz dB Pa ha mb
電氣通用符號	
電氣元件	
家用電器	

表6-1 符號表


































































































































































































類別	符號																								
安全標誌																									
																									
																									
																									
																									
																									
																									
																									

表6-1 符號表

類別	符號
大寫希臘字母	Α Β Γ Δ Ε Ζ Η Θ Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Τ Υ Φ Χ Ψ Ω
小寫希臘字母	α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ ς σ τ υ φ χ ψ ω
數學符號	% + - < = ≠ > ≤ ≥ ± ² ³ ¹ ° ¼ ½ ¾ ÷ ‰ × I II III IV V VI VII VIII IX X

How to contact us 聯絡我們

Internet 官方網站

Up-to-date information on DINTEK products and our Terms and Conditions can be found on the Internet at: www.dintek.com.tw

有關Dintek產品的最新消息與服務條款，請詳見官方網站。

Make sure you always use the latest documentation.

It can be downloaded at: www.dintek.com.tw

有關Dintek產品的最新使用說明書與手冊，請詳見官方網站。

Subsidiaries 合作夥伴

If there are any problems that cannot be solved using the documentation, please contact your DINTEK distributor.

Distributor contact information is available from: sales@dintek.com.tw

如有任何產品與服務相關問題，歡迎聯繫DINTEK在各地的合作夥伴。

Published by 出版人

DINTEK Electronic Limited. 鼎志電子股份有限公司

Should you have any suggestions or recommendations for improvement of the contents and layout of our manuals, please send your comments to:

sales@dintek.com.tw

如有任何手冊相關意見或改善建議，歡迎與我們聯繫。

Warranty & RMA Process

In the unlikely event that your DLP-010 testers should develop an issue, we encourage you to contact the local agent that you purchased your testers from, or alternatively fill out the online form by going to <https://rma.dintek.com.tw> or by scanning the QR Code below. Our dedicated team will guide you through the process of diagnosing the problem and determining the best course of action. If the issue is covered under our warranty, you will be provided with instructions on how to return the tester for repair or replacement at no additional cost to you.

For issues not covered by the warranty, either your local agent or DINTEK will work with you on finding a resolution to get you up and running again.

Rest assured, our priority is to ensure that your DLP-010 testers are functioning optimally and that any disruptions to your operations are minimized.

DINTEK Online Form QR Code

To fill in this form, please make sure you have the following.

- 1 | Tester serial number
- 2 | The name of the dealer you purchased from
- 3 | Date of purchase
- 4 | Contact details & email address



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