

TIME STAMP

TP-50

USER'S MANUAL

Introduction

Thank you for purchasing our Time Stamp. For safe and proper operation, please carefully read this manual before using it and save it for reference.

1. The contents of this User's Manual are subject to change without prior notification.
2. This User's Manual has been prepared with the utmost care to cover all aspects of the Time Stamp's use.
If you feel, however, that some explanations are inadequate, unclear, or difficult to understand, please do not hesitate to contact the dealer or the shop from whom you have purchased your Time Stamp.
3. Be sure to use your Time Stamp after you have fully understood the hardware and software specifications and limits.
4. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, photocopying, recording or otherwise.
5. Place the Time Stamp at the position close to the wall outlet so that it is easily accessible to disconnect.
6. This device is not intended for use in the direct field of view at visual display workplaces. To avoid incommoding reflections at visual display workplaces this device must not be placed in the direct field of view.
7. Images in this manual are different from the actual images.

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Back side



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Precautions








This user's manual is prepared for safe and proper use of the device. Please follow all the instructions to avoid possible danger to yourself or others and damage to the device.

Signs

Various warnings and cautions are provided throughout this manual along with signs. Remember each sign and its explanation listed below for your safety and proper operation of the device.

	Warning	Improper handling may cause bodily accidents including death and serious injury.
	Caution	Improper handling may harm the human body or material.

	Improper handling may cause electric shock DANGER.		"Must-Do" sign.
	DO NOT disassemble the device.		Be sure to remove the line cord plug from the outlet.
	"Don't" sign.		

		Warning
	Do not disassemble the device. There is a high voltage present inside, possibly leading to an electric shock.	
	Do not modify the device. Modifications may cause a fire and/or electric shock.	
	If any anomaly occurs, for example, heat or smoke is generated or an odor is emitted, unplug the device immediately and contact your dealer for servicing. There is a danger that further use may cause a fire or electric shock.	
	Do not use any voltage of the power source other than designated.	
	Do not share a single outlet with another plug. These may lead to fire or shock hazards.	
	Do not damage, break, or modify the power cord. Do not put a heavy object on, pull, or forcefully bend the cord, either. These may damage the cord, possibly resulting in a fire or electric shock.	



If foreign matter should get in the device (including a piece of metal, water, or liquid), disconnect the plug from the outlet immediately and contact your dealer for servicing. There is a danger that further use may cause a fire or electric shock.



Do not plug or unplug the device with a wet hand. You may get an electric shock.



Caution



Do not place the device on an uneven or tilted surface. This may result in injuries due to the device dropping or falling off.



Do not put a water-filled container or a metal object on top of the unit. If water is spilled or the metallic object slips inside, a fire or shock hazard may occur.



Do not install the device in a humid or dusty environment. It may cause a fire or electric shock.



Do not place the device near kitchen counter or humidifier. Oil, smoke, or steam generating from them may cause fire or shock hazards.



Do not yank the power cord to disconnect from the outlet. Hold the plug with your hand to do so, or the cord may be damaged, possibly leading to a fire or electric shock.



Remove the line cord plug from the outlet before transferring the device, or it may damage the cord, possibly leading to a fire or electric shock.



Be careful not to contact the print head, as you may get hurt or burned.



Make sure to insert the power plug as far as it will go. Improper insertion of the plug may develop fire or shock hazards.

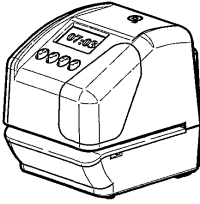


If the device should be dropped or the case be broken, unplug the device and contact your dealer for servicing. Further use may lead to a fire or shock hazard.

Daily Care

For cleaning, turn the power off and wipe the case clean of dust and dirt with a dry cloth, etc.

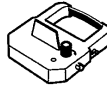
Packing contents



TP-50



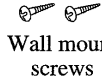
User's manual



Ink ribbon cassette (TP-1051N)



Keys

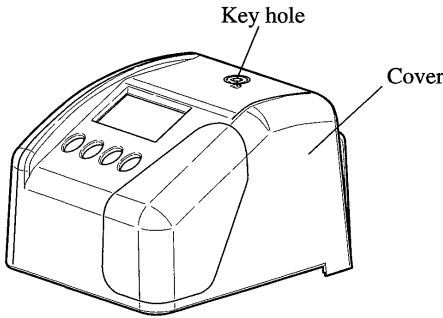


Wall mount screws



Paper guide gauge

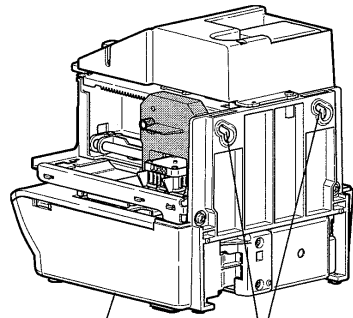
Overview



Key hole

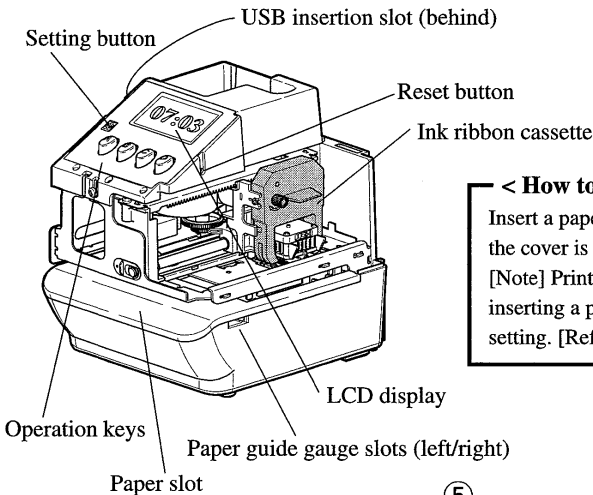
Cover

Remove the cover for setting



Wall mount holes

Slide lever (bottom)



USB insertion slot (behind)

Setting button

Reset button

Ink ribbon cassette

LCD display

Operation keys

Paper guide gauge slots (left/right)

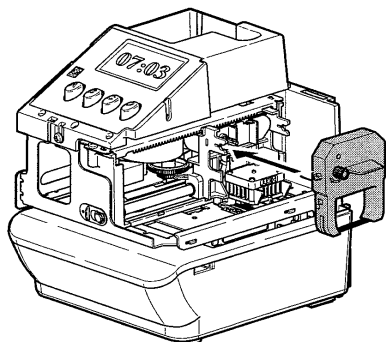
Paper slot

< How to Punch >

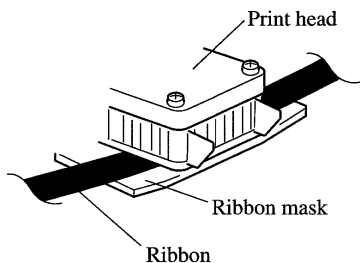
Insert a paper into the paper slot while the cover is on the device.

[Note] Printing may not start just by inserting a paper depending on the setting. [Refer to p. 23 Menu tree.]

Replacing ink ribbon cassette



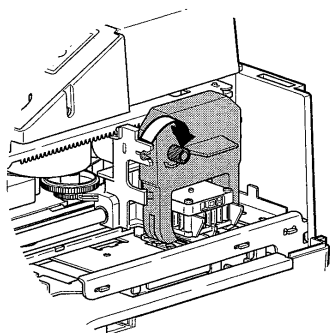
- 1** Unlock the key and remove the cover.
- 2** Hold the ink ribbon cassette by its tab and pull straight out to remove it.
- 3** Turn the knob of the new cassette in the direction of the arrow (clockwise) to tighten the ribbon.



- 4** Place the cassette inside the device as shown in the figure. Push the cassette until it snaps into the position. Turning the knob on the cassette may make installation easier.

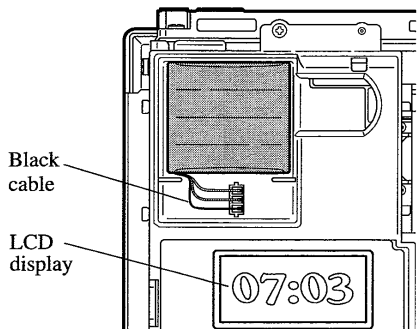
[Note]

Install the cassette so that the ribbon is between the print head and the ribbon mask. Printing will not come out properly if the ribbon is placed under the ribbon mask.



- 5** Turn the knob of the cassette in the direction of the arrow to tighten the ribbon.
- 6** Replace the cover and lock.

Installation of optional battery



- 1 Unlock the key and remove the cover.
- 2 Insert the battery connector into the compartment connector to install the battery. Be sure to connect the black cable to the display side.
- 3 Replace the cover and lock.

[CAUTION]

Replace the optional Ni-MH rechargeable battery with part number QR-12004N (HHR-06TH7W1) only.

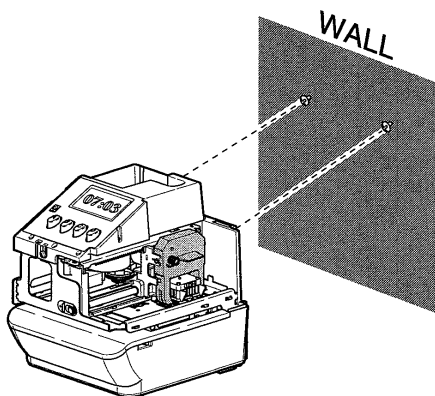
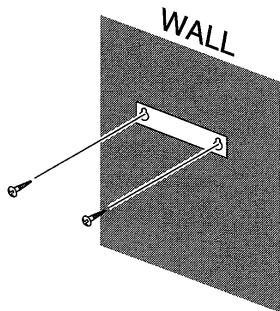
Use of another battery may be at risk of fire or explosion.

Dispose of used batteries in accordance with applicable local regulations.

Wall mounting

[CAUTION]

The supplied screws are intended for use on a thick wooden wall or wooden column. Do not use them on any other materials. The device may come off if used on other materials.

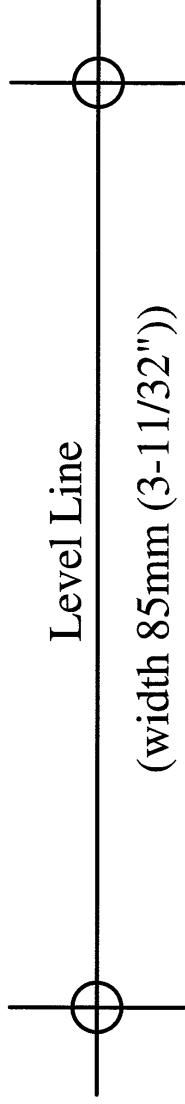


- 1 Install the supplied wall mount screws into a wall by using the template. Be sure to keep about 6mm (1/4") of the screw head away from the wall.
- 2 Unlock the key and remove the cover. And then hang it on the wall.
- 3 Replace cover and lock.

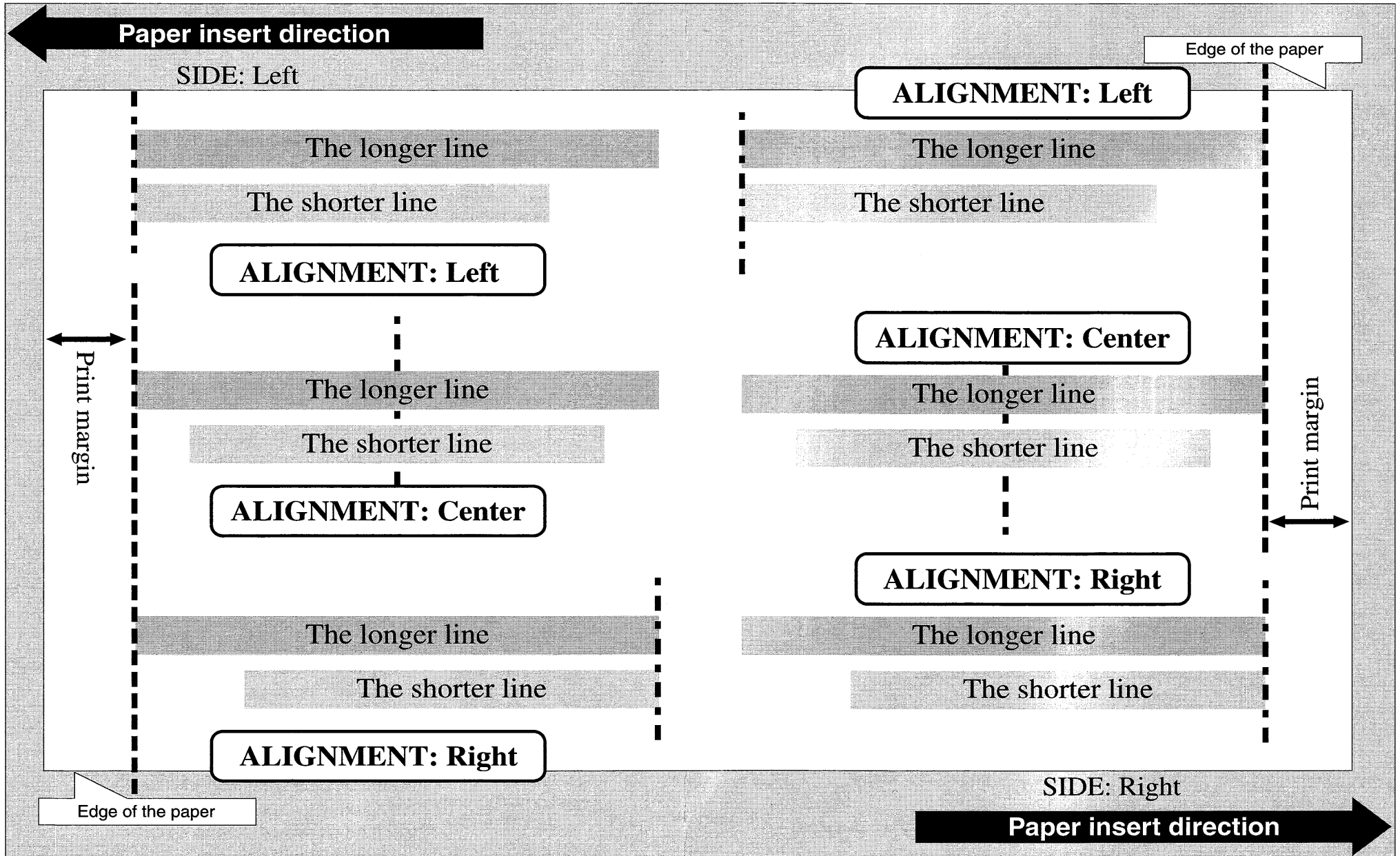
Wall mount template

Please copy and use this template when needed.

Leave about 6mm (1/4") gap between wall and screw head.

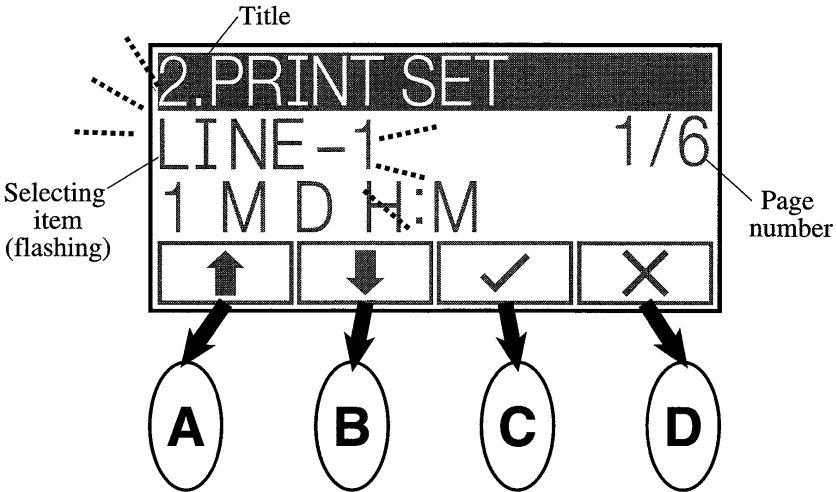


Printing position



You can change "Print margin" by sliding the lever on the bottom of the device.

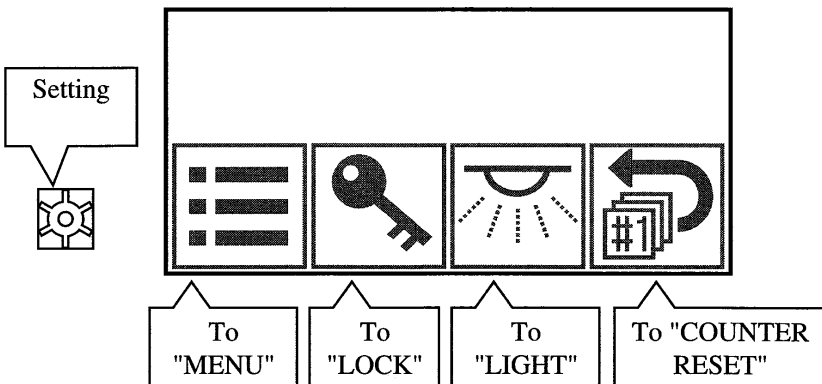
Display










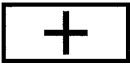









Functions of operation keys (A - D) are displayed by the icons on LCD. You can operate flashing item by clicking down the corresponding keys.

Start setting

To start setting, click down the setting button first. According to indicated icons, click down a corresponding key. (Refer to p.21 Menu tree.)



Icons

Icon	Function
  	<p>Selectable print set (A, B, C, and D)</p> <p>Selected print set (A, B, C, or D)</p> <p>Unselectable print set</p> <p>[Note] The icon A, B, C, or D will not appear on the display when the corresponding print set is not installed.</p>
     	<p>Previous / Next menu</p> <p>Set / Cancel</p> <p>Change value Select next / previous option</p>
    	<p>Move the cursor to Left / Right</p> <p>Input mode</p> <p>Delete mode</p> <p>Insert mode</p>
  	<p>Change Lock/Unlock of print set selection</p> <p>Change Lock/Unlock of punching Change ON/OFF of the light at print area</p> <p>Change ON/OFF of the light on the display</p>

Extra functions via USB

Only standard functions are available on the device. Extra functions, such as selectable 4 print sets, counters, and more flexible contents using several fonts in customized comments, are available by installing the setting file made on PC or application software via USB stick.

Also, USB stick can pick up punch data stored in the device as csv file.

[Note]

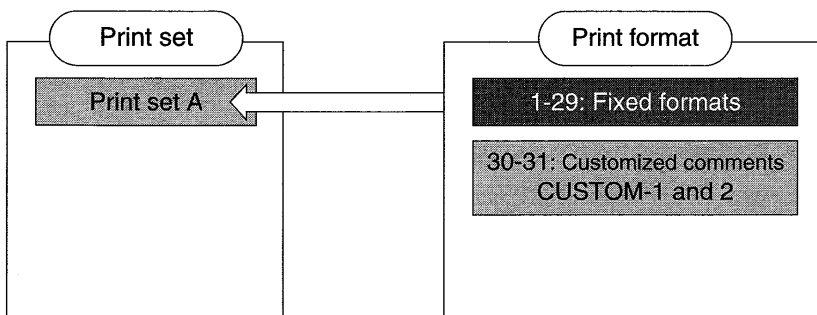
- As for the application software for setting file, please contact the shop from whom you bought the device.
- The device stores punch data with value of the counter only.

		Standard function	Extra function (Incl. std. function)
Setting by		Device Setting file	Setting file
Available number of function	Print set	1	4
	Customized comment	2	8
	Font (by control code)	N/A	Available
	Numbering counter	1	4
	Time shift	1	4

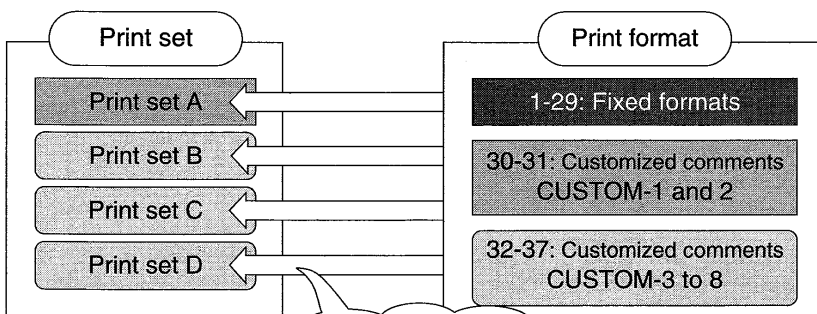
[CAUTION]

- The USB insertion slot is for USB stick only, and will not support other devices. The provided USB interface is compatible with USB 2.0 full-speed (12Mbps) only.
- USB stick protected physically can't be used on the device.
- Do not remove the USB stick and do not remove power to the device during use of the USB stick. Interrupted communication to the USB stick could result in loss or corruption of data and damage to the device.
- In no event shall we be liable for lost or damaged data, or recovery of lost or damaged data, on the device or USB stick.

Setting on the device



Setting by the setting file



Select any two formats for the 1st and the 2nd line of each print set.



Standard function on the device.

You can set it on the device as well as by the setting file.
You can select extra function even for print set A.



Extra function controlled by the setting file.

You can not set/change them on the device.



Fixed formats.

You can not change the content and order.

Specifications

Clock accuracy	Monthly accuracy ± 15 sec. (at ordinary temperature)
Calendar	Year up to 2099. Automatically adjusted to leap years, 31-day months and months with thirty or fewer days, and the days of the week.
Printing system	Dot matrix imprint
Power failure compensation	Three years of cumulative power failure hours after the date of shipment
Print at power failure	Optional battery, 100 times printing or 24 hours (option)
Operating environment	Temperature: -5°C to $+45^{\circ}\text{C}$: $+23^{\circ}\text{F}$ to $+113^{\circ}\text{F}$ Humidity: 20% to 80%RH, no condensation The device operates normally at temperatures of 5°C or below, but the print density, reaction of the liquid crystal display, and the number of prints at power failure are inferior to those at normal temperature operation.
Dimensions	156(W) x 179(D) x 181(H) mm 6-5/32"(W) x 7-1/16"(D) x 7-1/8"(H)
Weight	Approx. 1.9kg (4.2lbs)
Power consumption	120VAC 50/60Hz 0.6A 220-240VAC 50/60Hz 0.4A
Memory	1,022 punch data or less

This device complies with the Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU.

Environmental conditions

Avoid placing the device in environments that are:

- humid or dusty
- exposed to direct sunshine
- subject to frequent or continuous vibrations
- outside the temperature range between -5°C and 45°C ($+23^{\circ}\text{F}$ and $+113^{\circ}\text{F}$)
- affected by chemicals or ozone

Menu tree

[Note] The options with underline are default settings.

MENU	Selectable options		Explanation
1. CLOCK			Set the current date and time for calendar and clock.
TIME		HH:MM	[Note] • When you set D.S.T. period, the display shows "DST" during the D.S.T. period. • When you select '7. NUMERIC' on "8. LANGUAGE", month (MMM) will be expressed by number. • "TIME" and "DATE" of "1. CLOCK" can not be set by the setting file via USB stick.
DATE	YEAR	00 - 99	
	MONTH	01 - 12	
	DATE	01 - 31	
DISP. HOURS		1. AM/PM, 2. 24 HOURS	
DISP. ORDER		1. DD MMM DOW, 2. MMM DD DOW 3. DOW DD MMM, 4. DOW MMM DD	
2. PRINT SET			Set formats of each line, print position, time shift, and numbering counter.
LINE-1		1 - 31 [Refer to p.25 Format list]	[Note] • When the setting is installed via USB stick, TP-50 can have up to 4 print sets. • You can select a format from 1 to 31 on the device. When the setting is installed via USB stick, the display may show other format numbers from 32 to 37. • When you select '1. SHIFT-1' on "5. TIME SHIFT", the shifted date and time is printed instead of the current date and time. • You can select only 'SHIFT-1' (print of the shifted date and time) or 'Not apply' (print of the current time) on the device. When the setting is installed via USB stick, the display may show other shift No., SHIFT-2, 3, or 4. • You can select only 'COUNTER-1' on the device. When the setting is installed via USB stick, the display may show other counter No., COUNTER-2, 3, or 4.
LINE-2		0 - 31 [Refer to p.25 Format list]	
SIDE		1. LEFT, 2. RIGHT	
ALIGNMENT		1. LEFT, 2. CENTER, 3. RIGHT	
TIME SHIFT		0. N/A, 1. SHIFT-1	
COUNTER		1. COUNTER-1	
3. CONTENTS			Set print style and comment.
YEAR		1. 2 DIGITS, 2. 4 DIGITS	C1 (or 2)-FONT is to select print font of CUSTOM-1 (or 2). [Note] • When you select '1. AM/PM' on "HOURS", AM/PM is also printed before the time. • CUSTOM-1 and 2 can be selected for print on setting of "LINE-1" or "LINE-2" on "2. FORMAT" as No. 30 and 31. • To set CUSTOM-3, 4, 5, 6, 7, and 8, you need the setting file installing via USB stick. • Leading zero is attached to month (in case '7. Numeric' is selected on "8. LANGUAGE"), date, and time. The setting will not affect year and numbering counter.
HOURS		1. AM/PM, 2. 24 HOURS	
MINUTE		1. 1/60, 2. 1/100, 3. 1/20, 4. 1/10	
LEADING ZERO		1. WITHOUT 2. WITH	
FIXED CMNT		1 - 15 [Refer to p.25 Fixed comment list]	
C1-FONT		1. BOLD, 2. LARGE, 3. SMALL	
CUSTOM-1		(characters for the first line)	
C2-FONT		1. BOLD, 2. LARGE, 3. SMALL	
CUSTOM-2		(characters for the second line)	
4. COUNTER			Set rule of the numbering counter.
DIGIT		1 - 8	[Note] • TP-50 records only punches with the counted number in the memory of the device. • Once you change any parameter on this setting, value of the counter will go back to the initial number. • Plus (+) means increment (count-up), and minus (-) means decrement (count-down). Number means repeat times. (0 means fixed counter.) When you select +3, the device prints same number three times, and steps up to the next number after that. • When you select '1. STOP' on "LOOP", the counter stops at the maximum/minimum number, and you can not punch anymore. When you select '2. LOOP', the counter will start counting up (down) from the minimum (maximum) number again.
MAXIMUM		1 - 99999999	
MINIMUM		0 - 99999998	
INITIAL		0, 1 - 99999999	
REPEAT		-9, ..., -1, 0, +1, ..., +9	
LOOP		1. STOP, 2. LOOP	
RESET		1. PROHIBIT, 2. DAILY, 3. MANUAL	
5. TIME SHIFT			Set shifting days and time (to the future) to print instead of the current time.
SHIFT-1	DAY	00 - 14	
	TIME	HH:MM	
6. PROGRAM			Set programs to control print allowance and print set selection.
NO. 01 - 48	DOW	SUN, MON, TUE, WED, THU, FRI, SAT	You can specify the execution of the program by setting D.O.W, time, and action. There are three types of action as shown below. When the specified D.O.W. and time comes, the action (as programmed) will be executed. The program and action remains in effect until another program is executed which contains a different action of the same type. When you set to '-' on "DOW" of the weekly program, the program will be deleted. Types of action: P-LOC / P-UNL: Set to print lock / unlock. During the effective time of 'P-LOC', punch is prohibited, and the light at print area is off. S-LOC / S-UNL: Set to print set selection lock / unlock. During the effective time of 'S-LOC', selecting a print set is prohibited. SEL-A, B, C, or D: Change a print set to the specified print set at the execution time on the D.O.W. (You can also change print set by key operation even during the effective time of the program. However, when 10 seconds pass, it will automatically go back to the print set specified by the program. If you want to fix print set, you also need to make another program with S-LOC.)
	TIME	HH:MM	
	ACTION	P-LOC, P-UNL S-LOC, S-UNL SEL-A, SEL-B, SEL-C, SEL-D	
7. PR.METHOD			Select a method of print activation.
ACTIVATION		1. AUTO, 2. SEMI-AUTO, 3. MANUAL	AUTO: When the paper sensor on the device detects a paper, the device starts to print the selected print set. SEMI-AUTO: You can punch by clicking down a key corresponding to the print set which you want to print, while the paper sensor on the device detects a paper. MANUAL: You can punch anytime by clicking down a key corresponding to the print set which you want to print. While 'MANUAL' is selected, the paper sensor is temporarily off.
8. LANGUAGE			Select a language.
LANGUAGE		1. ENGLISH, 2. SPANISH, 3. GERMAN 4. FRENCH, 5. ITALIAN 6. PORTUGUESE, 7. NUMERIC	[Note] • Selectable options are displayed in each language on the display.
9. D.S.T.			Set daylight saving time period.
START	YEAR	00 - 99	Once the start/end dates are set, the dates are calculated automatically every year. When the set date is in the last week of a month, the set date is regarded as the day of the week in the last week, even when the number of weeks in the month changes year after year. At 2:00AM on the first day of D.S.T. period, the device automatically gains one hour to show 3:00AM. When 3:00AM comes on the last day of D.S.T. period, the device automatically loses one hour and returns to 2:00AM. Printing hour and minute follows hour and minute shown on the device.
	MONTH	01 - 12	
	DATE	01 - 31	
END	YEAR	00 - 99	
	MONTH	01 - 12	
	DATE	01 - 31	
CLEAR			
10. PASSWORD			Set a password to protect the settings and data.
NUMBER	(4 digits)	0000 - 9999	When you set to '0000', the password will be deleted.
11. DATA			Functions about data and USB.
LOAD <USB>		SETTING DATA	LOAD <USB>: Install the setting data from USB stick. If succeed, "END" appears on the display.
OUTPUT <USB>		PUNCH DATA	OUTPUT<USB>: Pick up the punch data to USB stick. If succeed, "END" appears on the display.
DELETE		PUNCH DATA	DELETE: Delete the punch data from the device.
DEVICE NO.		001 - 999	DEVICE NO.: Set a device number of the device.
DATA FULL		1. PUNCH ONLY, 2. STOP	DATA FULL: Set an action when the memory of the device is full.
			[Note] • When '1. PUNCH ONLY' on "DATA FULL" is selected, you can continue to punch even while the memory of the device is full. However, punch data is not recorded in the memory. Once punch data is deleted from the memory by key operation on the device, the device can record punch data again. • Device No. is useful for the following cases: 1) managing punch data with more than one device. 2) specifying the setting file to be applied.
LOCK			Set LOCK/UNLOCK of print and print set selection.
PRINT		LOCK, UNLOCK	Every time you click down the corresponding key, LOCK/UNLOCK is selected in turn. This setting priors to weekly program. However, in case that 'UNLOCK' by this setting is selected while 'P-LOC' by weekly program is effective, the device will go back to 'LOCK' once the device is left for 10 minutes without any operation.
SELECT		LOCK, UNLOCK	
LIGHT			Set ON/OFF of light on LCD and at print area.
PRINT		ON, OFF	Every time you click down the corresponding key, ON/OFF is selected in turn.
LCD		ON, OFF	
COUNTER RESET			Reset value of the counter and go back to the initial number.
COUNTER-1	(current value)		This operation is not available to COUNTER-1 when '1. PROHIBIT' on "RESET" of "4. COUNTER" is selected. The counter (which '1. PROHIBIT' is selected) is excluded even if reset by COUNTER-ALL is executed.
COUNTER-2	(current value)		
COUNTER-3	(current value)		
COUNTER-4	(current value)		
COUNTER-ALL	*****		

Format list

Y=Year, M=Month, D=Date, DOW=Day of the week, H=Hour, Min=Minute, S=Second
C=Comment, N=Number of the counter

No.	Format	Print Example	No.	Format	Print Example
1	M.D.H.Min	JAN 31 10:00	17	Y.M.D.C	'16 JAN 31 SENT
2	D.M.H.Min	31 JAN 10:00	18	C.D.H.Min	SENT 31 10:00
3	M.D.Y.H.Min	JAN 31 '16 10:00	19	N.M.D.Y	000123 JAN 31 '16
4	D.M.Y.H.Min	31 JAN '16 10:00	20	N.D.M.Y	000123 31 JAN '16
5	Y.M.D.H.Min	'16 JAN 31 10:00	21	N.Y.M.D	000123 '16 JAN 31
6	Y.M.D.H.Min.S	'16 JAN 31 10:00:00	22	M.D.Y.N	JAN 31 '16 000123
7	D.H.Min	31 10:00	23	D.M.Y.N	31 JAN '16 000123
8	DOW.D.H.Min	SU, 31 10:00	24	Y.M.D.N	'16 JAN 31 000123
9	Y.M.D	'16 JAN 31	25	N.D.H.Min	000123 31 10:00
10	M.D	JAN 31	26	N.M.D.H.Min	123 JAN 31 10:00
11	DOW.D.M.Y	SU, 31 JAN '16	27	N.Y.M.D.H.Min	123 '16 JAN 31 10:00
12	C.M.D.Y	SENT JAN 31 '16	28	N.Y.M.D.H.Min.S	123 '16 JAN 31 10:00:00
13	C.D.M.Y	SENT 31 JAN '16	29	N	000123
14	C.Y.M.D	SENT '16 JAN 31	30	CUSTOM-1	
15	M.D.Y.C	JAN 31 '16 SENT	31	CUSTOM-2	
16	D.M.Y.C	31 JAN '16 SENT			

[Note] No. 32-37 of format numbers are allocated for the customized comments (CUSTOM 3-8). They are extra function by the setting file via USB stick.

Fixed comment list

No.	Comment	No.	Comment	No.	Comment
1	RCVD (Received)	6	FILED	11	ORIGIN (Original)
2	SENT	7	PAID	12	APR'D (Approved)
3	IN	8	USED	13	CMPL'D (Completed)
4	OUT	9	FAXED	14	START
5	CFMD (Confirmed)	10	VOID	15	END

Character list

Character		0	1	2	3	4	5	6	7	8	9
Dots	Bold	7	7	7	7	7	7	7	7	7	7
	Large	6	6	6	6	6	6	6	6	6	6
	Small	5	5	5	5	5	5	5	5	5	5

Character		A	B	C	D	E	F	G	H	I	J
Dots	Bold	7	7	7	7	7	7	7	7	4	7
	Large	6	6	6	6	6	6	6	6	3	6
	Small	5	5	5	5	5	5	5	5	3	5

Character		K	L	M	N	O	P	Q	R	S	T
Dots	Bold	7	7	7	7	7	7	7	7	7	6
	Large	6	6	7	6	6	6	6	6	6	5
	Small	5	5	5	5	5	5	5	5	5	5

Character		U	V	W	X	Y	Z				
Dots	Bold	7	7	7	7	6	7				
	Large	6	6	7	6	5	6				
	Small	5	5	5	5	5	5				

Character		'	*	+	,	-	.	/	:	;	_
Dots	Bold	2	6	6	4	6	4	7	4	4	5
	Large	2	5	5	3	5	3	5	3	3	4
	Small	2	5	5	3	4	3	5	3	3	3

Character		&	#	\$	@	[\]	^	`	{
Dots	Bold	9	8	8	8	6	7	6	7	4	6
	Large	8	6	5	6	5	5	5	5	3	5
	Small	7	5	5	5	4	5	4	3	2	4

Character			}	~	(EUR)	Pt	(Space)				
Dots	Bold	4	6	6	7	10	3				
	Large	3	5	5	6	7	2				
	Small	3	4	5	5	7	1				

Character		a	b	c	d	e	f	g	h	i	j
Dots	Small	4	4	4	4	4	3	4	4	1	2

Character		k	l	m	n	o	p	q	r	s	t
Dots	Small	4	1	5	4	4	4	4	4	4	3

Character		u	v	w	x	y	z				
Dots	Small	4	4	5	5	4	5				

Language - Specific Character

Character		ı	Ñ	ı	´	¨	ñ	§	Ä	Ö	Ü
Dots	Bold	4	7	6	4	8	6	7	7	7	7
	Large	3	6	5	3	6	6	6	6	6	6
	Small	3	5	5	2	6	5	5	5	5	5

Character		ä	ö	ü	ß	à	°	ç	é	ù	è
Dots	Bold	6	6	6	7	6	3	6	6	6	6
	Large	6	5	5	6	6	3	5	5	5	5
	Small	4	4	4	5	4	3	4	4	4	4

Character		É	ò	ì	Am	Pm	(Clock)				
Dots	Bold	7	6	4	11	11	7				
	Large	6	5	3	11	11	7				
	Small	5	4	3	10	10	7				

[Note]
Printable characters depend on the selected language.

Control code list

By inserting these control characters in customized comments, the following are available.

- 1) Date, time, value of the counter, and the device No. can be printed.
- 2) Current time / shifted time can be switched.
- 3) Printing font can be changed.

[Note]

- To print shifted time, you have to set on "5. TIME SHIFT".
- Control characters for fonts are not selectable on the device. (Just displayed.) On the device, you can select font on "C1 (or 2)-FONT" of "3. CONTENTS". As far as you set contents of the customized comment on the device, you can use only one type of font for one customized comment.
- It is not possible to include several counters in one customized comment.
- It is not possible to include several time shifts in one customized comment.

Code	Action	Explanation
Y	Year	Expand year into customized comment. Actual number of dots depends on the setting.
M	Month	Expand month into customized comment. Actual number of dots depends on the setting. To print month by number, set '7. NUMERIC' on "8. LANGUAGE".
D	Day	Expand day into customized comment. Actual number of dots depends on the setting.
W	D.O.W.	Expand D.O.W. into customized comment. Actual number of dots depends on the setting.
H	HH:MM	Expand time (HH:MM) into customized comment. Actual number of dots depends on the setting.
h	HH:MM:SS	Expand time (HH:MM:SS) into customized comment. Actual number of dots depends on the setting.
C	Counter	Expand counter into customized comment. Actual number of dots depends on the setting.
T	Time shift	Turn on/off time shift. (Default is off.) [Note] Once time shift is turned on by this code, it is effective until the same code is input again.
N	Device No.	Expand its device number into customized comment.
B	Bold font	(Extra function via USB) Change characters to Bold font. [Note] You can not set this code on the device.
L	Large font	(Extra function via USB) Change characters to Large font. [Note] You can not set this code on the device.
S	Small font	(Extra function via USB) Change characters to Small font. [Note] You can not set this code on the device.

Error / Warning code list

Warning

No.	Display	Causes	Action
W05	INSERT AGAIN !	The paper is not inserted properly.	Insert the paper again during W05 is displayed (10 sec.). During the 10 sec. time for printing is kept at the time when W05 was indicated.
W07	NO PRINT DATA	1) No print set is found. 2) CUSTOM-1 (or 2) has no contents.	Set a format on "LINE-1" of "2. PRINT SET". Set "CUSTOM-1 (or 2)" of "3. CONTENTS".
W08	COUNTER LIMIT	The value of the counter reaches limit (maximum or minimum number).	Set '2. LOOP' on "LOOP" of "4. COUNTER", or reset the counter.
W09	MEMORY FULL	Memory in the device is full.	Set '1. PUNCH ONLY' on "DATA FULL" of "11. DATA", or delete punch data.
W40	PASSWORD ERROR	Password is incorrect.	Input the correct password.
W41	DST SETTING ERR	Start/end date of DST is incorrect.	Set the correct start/end date of D.S.T.
W49	SETTING ERROR	1) Total length of the customized comment is over 47 characters or 160 dots. 2) Setting of "4. COUNTER" is incorrect.	Make a customized comment less than 160 dots in total, referring to the character list. Set the correct value for maximum and minimum numbers.
W61	NO PUNCH DATA	No data to be picked up is in the memory of the device.	Check the format whether it includes a counter first. After that, punch and try it again.
W62	WRITING ERROR	Data can not be written in the USB stick.	Use another USB stick.
W63	READING ERROR	Data can not be read out from the USB stick.	
W64	FILE NOT FOUND	No setting file is found.	Store the correct setting file in the USB stick, and try it again.
W65	USB STICK FULL	The USB stick does not have enough space.	Delete data in the USB stick, or use another USB stick which has enough space.
W66	CHECK ERR FILE !	Setting file has error.	Check error file in the USB stick.
W67	USB PROTECTED	The USB stick is protected physically or by software.	Check the protection status of the USB stick, and try it again.
W68	USB STICK ERROR	The USB stick can not be used on the device.	Use another USB stick.

Error

No.	Display	Causes	Action
E00	PROGRAM ERROR	CPU error	Try reset first. If this error is still displayed after reset, contact the shop from whom you bought your device.
E01	BACK UP ERROR	The remaining life of battery for memory back-up is short.	
E15	SENSOR ERROR	Sensor error	
E16 E17	PROGRAM ERROR	Memory error	
E30 E32 E38 E39	H. POSITION ERROR MECHANICAL ERR	Printing can not be performed. A printer motor or sensor is not normal.	Make sure that debris are not inside print area, and the ribbon cassette is correctly installed in place. After that, try reset. If this error is still displayed after reset, contact the shop from whom you bought your device.
E60 E69	USB ERROR USB POWER FAIL.	USB error	

Recovery from error / warning

Warning (Wxx): Automatically recover from the warning.

Error (Exx): Push the setting button for 3 seconds.

Reset

Initialization

Click down the reset button after removing the cover.

[Note] Any setting shall be kept.

All clear

Click down the reset button while pressing the key A and C after removing the cover.

[Note]

- All settings including date and time will be deleted, and the device will go back to the default settings.
- Punch data stored in the device is not deleted.

Troubleshooting

If your device does not work normally and no Error/Warning code is shown on the display, check the items listed below.

Before checking them, make sure to initialize the device first. (Refer to p.30 Reset.)

The device does not work. (Nothing is shown on the display).

- Check the power cord is properly plugged into the AC outlet.

The paper is jammed.

- Push the setting button for 3 seconds, and pull out the paper during initialization.

Can not punch.

- Check the ink ribbon cassette is installed correctly. (Refer to p.6 Replacing ink ribbon cassette.)
- Check the device is on the standby mode which shows clock on the display.
- Check the setting on "ACTIVATION" of "7. PR.METHOD". In case that '3. MANUAL' is selected, you have to click down the key corresponding to the print set to start punching.
- Check the settings on "4. COUNTER". The counter included in the print set may have reached the maximum (or minimum) number.
- Check the setting on "DATA FULL" of "11. DATA". The memory of the device may be full.
- Check the setting on "PRINT" of "LOCK".
- Check the programs on "6. PROGRAM". P-LOC may be effective. Make another program with P-UNL in this case.

Printing direction is upside down. Printing position is different from what you want.

- Check the settings on "SIDE" and "ALIGNMENT" of "2. PRINT SET". (Refer to p.9 Printing position.)

How to adjust print position.

- The paper guide gauge and the slide lever are available on the device. They will help you to position the paper.

How to print month by number.

- Set "8. LANGUAGE" to '7. NUMERIC'.

Can not select a print set.

- Check the setting on "PRINT" of "LOCK".
- Check the programs on "6. PROGRAM". S-LOC may be effective. Make another program with S-UNL in this case.
- The device has only one print set.

Light at print area is off.

- Check the setting on "PRINT" of "LIGHT".
 - Check the programs on "6. PROGRAM". P-LOC may be effective. Make another program with P-UNL in this case.
-

Print set is automatically changed.

- Check the programs on "6. PROGRAM". SEL-A (B, C, or D) may be effective.
-

Date and time is not printed correctly.

- Check the setting on "TIME SHIFT" of "2. PRINT SET". Time shift (SHIFT-1 (2, 3, or 4)) may be effective on the print set.
-

Punch data is not recorded.

- Check whether the selected format includes the counter. Punch data without value of the counter is not stored in the memory of the device.
-

How can I delete password from the device ?

- Once you set to '0000' as the password on "10. PASSWORD", the password setting can be deleted.
-

How can I print the format, "CUSTOM-1 (or 2)" I made ?

- Check the format number on "LINE-1 (or 2)" of "2. PRINT SET". (Refer to p.25 Format list.)
-

What means "---/160" on "CUSTOM-1 (or 2)" ?

- It shows total dots of the customized comment. 160 means maximum dots of one customized comment. In case that 'CUSTOM-1 (or 2)' is not selected on "LINE-1 (or 2)" of "2. PRINT SET", ---/160 is shown on the display.

If the trouble is not solved even though you checked the listed items, please contact the shop from whom you bought the device.