KERN

Operating Instructions Label Printer

KERN YKE-01

Version 1.2
2021-09
GB

YKE-01-e-2112

KERN YKE-01

Version 1.2 2021-09
Operating manual
Label printer

English

The printer YKE-01 is an ASCII-compatible label printer, which can be used with all KERN balances.

1. Technical data

Print	Thermal print
Character set	IBM
Thermal paper	in a roll, printer ink: black; paper width: 112 mm
Max. winding diameter	55 mm
Paper length max.	40 m
Electric power supply	12 V – 26 V DC
External power supply unit	100-240 V 50/60 Hz 1.5 A
Working life	5000 hours or 16 x 10 lines
Operating temperature	0°C – 50°C
Humidity of air	20% – 70% (not condensing)
Dimensions	150 x 155 x 65 mm
Weight	1.2 kg with 40 m paper roll
Interface	Ethernet, RS 232

2. Declaration of Conformity

To view the current EC/EU Declaration of Conformity go to:

www.kern-sohn.com/ce

3. Unpacking

Delivery includes:

- Printer
- Mains adapter
- 3 net cable (EU, UK, US)
- Adapter cable
- Operating instructions (without illustration)

If one the articles listed above is missing please contact your supplier immediately.

4. Set Up and commissioning

On the installation site observe the following:

Dust and humidity free
Do not place printer next to powerful sources of heat
Do not place the device within range of strong electric, magnetic, electromagnetic impulse fields and surfaces that collect electrostatic charge.
Do not expose printer to direct sunlight, impacts or vibration.

Power is supplied via the external mains adapter.
The stated voltage value must be the same as the local voltage.
Only use original KERN mains adapters.
Using other makes requires consent by KERN.

5. Printer parts

View from front side:

1 – Buttons (see chap. 7 „Operating elements")
2 – LEDs (see chap. 7 „Operating elements")
3 – Open paper compartment
4 – Paper roll
5 – Covering paper compartment

View from behind:

    6 – On/Off switch
    7 – Connection mains adapter
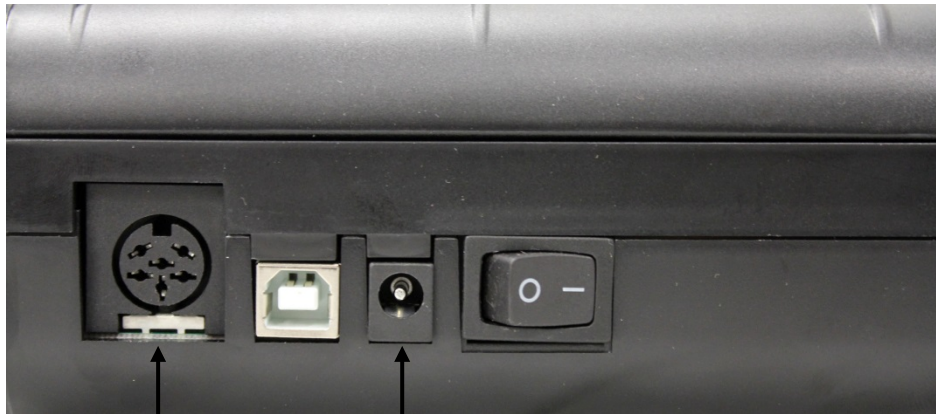   8 – Connection USB
    9 – Connection RS 232

English

6. Preparing your printer for operation

Connecting the cable:

	Always use KERN accessories and weighing balances when working with your printer. Disconnect the printer from the mains voltage before connecting the cable to the printer.

Connect cable acc. to illustration:

RS 232 Connection
Connection adapter cable to balance

Mains connection
Connection mains cable for power supply

7. Operating elements

After the connection of the mains adapter to the printer and to the power supply, as well as after the on/off switch of the printer having been switched over into "1" position, the green (right) display of the power supply will light up.
This indicator also signals that the printer is ready for operation.

LEDs:

LED green: • Printer is ready for operation, Printer is correctly connected to power supply	**LED red:** • Cover for paper compartment has been opened • No paper roll in the printer • Paper backlog

Buttons:

I	• Call up menu • Change menu items in the menu • Short pressing: Paper forward feed
2	• Exit menu • Acknowledge menu items in the menu

8. The menu

i	If no buttons are operated after approx. 7 seconds, the printer exits the menu automatically and you have to restart from the beginning.

Menu overview

To print out the menu overview, press [2] shortly, after approx. 1 second press [I], the menu with the currently set data will be printed out.

Configuration:	
Baud rate : (Baud rate)	9600, 19200, 38400, 57600, 115200, 230400, 110, 300, 1200, 2400, 4800 bds
Format: (data bits, parity)	8 bits, No parity 7 bits, No parity 7 bits, Odd parity 7 bits, Even parity 8 bits, No parity 7 bits, No parity 7 bits, Odd parity 7 bits, Even parity 8 bits, No parity
CR = (line forward feed, after pressing the [I] button)	CR+LF; line forward feed till to the next label
	CR; line forward feed till to the next line
Font height: (font size)	* 2; * 1
Font width (font width)	* 1; * 2; * 3
Character Set: (character set)	US, France, Germany, UK, Sweden, Italy, Spain, Japan, Norway, Denmark II,
Graphic mode : (printer quality)	No Adjustment Adjustment for 120x144 DPI Adjustment for 240x144 DPI
Paper size: (paper width)	3 inches, 2 inches, 4 inches

Date and time printed: (print out date and time)	(ON, OFF)
Jump to next label after rec (jump automatically to the next label, after the last line printed out)	OFF, ON


```
Default table :
     0 1 2 3 4 5 6 7 8 9 A B
     _ _ _ _ _ _ _ _ _ _ _ _
2 |     ! " # $ % & ´ ( ) * +
3 |   0 1 2 3 4 5 6 7 8 9 : ;
4 |   @ A B C D E F G H I J K
5 |   P Q R S T U V W X Y Z [
6 |   ` a b c d e f g h i j k
7 |   p q r s t u v w x y z {
8 |   € ü é â ä à å ç ê ë è ï
9 |   É æ Æ ô ö ò û Š š Ö Ü ¢
A |   á í ó ú ñ Ñ ª º ¿ ─ ¬ ½
B |   ▒ ▓ █ │ ┤ ╡ ╢ ╖ ╕ ╣ ║ ╗
C |   └ ┴ ┬ ├ ─ ┼ ╞ ╟ ╚ ╔ ╩
D |   ╨ ╤ ╥ ╙ ╘ ╒ ╓ ╫ ╪ ┘ ┌ █
E |   α ß Γ Ñ ñ ö µ τ Φ θ Ω δ
F |   ≡ ± ≥ ≤ ⌠ ⌡ ÷ ≈ ° ∙ · √
```

Press left button to change right button to validate. Press right button for a long time the configuration.
exit of menu mode

Operation of the menu:

After the text in the menu overview

```
Press left button to change
right button to validate.
Press right button for a long
time the configuration.
```

having been printed out,
- the individual menu items can be called up, set and confirmed.
  (must take place within approx. 7 sec., otherwise the printer exits from the menu)

- even if a menu item has not been changed, it must be confirmed by ⌷**2**⌷
- only after having confirmed all menu items, the complete menu with the newly set menu items will be printed out

Call up menu by ⌷**I**⌷ immediately after the above mentioned text having been displayed

- Press ⌷**I**⌷ to change settings

- Press ⌷**2**⌷ to acknowledge settings

Printout example:

`Baud rate 9600 bds`	Press ⌷**2**⌷ to confirm Baud rate, Press ⌷**I**⌷ to change Baud rate
`Format: 8 bits, no parity`	Press ⌷**2**⌷ to confirm data bits and parity Press ⌷**I**⌷ to change data bits and parity
`CR = CR+LF`	Press ⌷**2**⌷ to confirm „Line forward feed till to the next label" Press ⌷**I**⌷ to select „Line forward feed 1 line"
`Font height * 2`	Press ⌷**2**⌷ to confirm font size „2", Press ⌷**I**⌷ to change font size

English

`Font width * 2`	Press **2** to confirm font width „2" Press **1** to change font width
`Character Set: US`	Press **2** to confirm character set „US", Press **1** to select another character set
`Graphic mode: Adjustment for`	Press **2** to confirm resolution, Press **1** to change resolution
`Paper size: 3 inches`	Press **2** to confirm „3 inches" paper size Press **1** to change paper size
`Date and time printed: ON`	Press **2** to confirm printout date and time Press **1** to switch off printout date and time
`Jump to next label after rec off`	Press **2** to confirm „Jump to next label switched off" Press **1** to switch on „Jump to next label"

9. Date and time

To set date and time, "SetClock Kern" software by KERN is required. You can download it from KERN e-store in the Downloads tab of the printer.

⇨ Connect the printer to the COM1 port of your PC using a null modem cable.
(Or switch COM port to COM1 port using the Device Manager.)
Please note: You need the administrator's rights to do it!

Enter the following settings:

⇨ Printer: 9600 bauds
⇨ Connect the printer to the PC.
⇨ Switch the printer on.
⇨ Set Date and time to "ON".
⇨ Start the software.

A window to enter date and time will be displayed:

1. Set the time using the keyboard.
2. Set the date using the keyboard.
3. Press SEND button twice, the date and time will be sent to the printer and printed.
4. Switch the printer on again.

10. Storage conditions and use of thermal paper

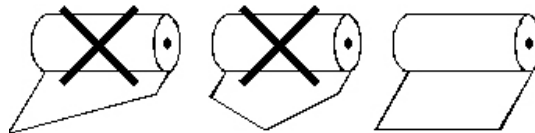Long-term usability of thermal paper is achieved by correct storage.

Storage:
- **i** - Dark storage location (no direct sunlight)
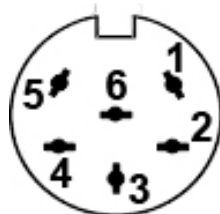- Maximum relative air humidity 65%
- Maximum temperature 25°C

Always store printed paper under the following conditions:

- Do not expose to direct sunlight or intensive room lights
- **i** - Avoid contact with alcohol, solvents or similar substances (e. g. adhesives),
- Do not store inside PVC pockets
- Storage temperature < 25ºC.

Change paper roll:

11. Printer cable

1	RXD
2	DTR
3	GND
4	CTS
5	TXD
6	PWR

12. Instant help

Symptom	Remedy
The LED of the power supply display is not illuminated	Check whether the power supply unit is correctly connected to the printer and to the power supply.
Paper does not emerge.	Check whether the paper has been inserted correctly,
Paper leaves printer without print:	Check whether the paper has been inserted with its thermo-sensitive side facing the printer head,
No printing is taking place and paper does not emerge.	Check whether the adapter cable between printer and balance is correctly connected.
Wrong characters are printed	Check whether the parameters in the printer menu and the balance settings are set correctly.
Printout is blurred	Check whether the operating temperature does not exceed the allowed value, whether the paper recommended by the manufacturer is used.

If you are unable to remedy the error, please contact your supplier.

English