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## Operating Instructions Label Printer

### KERN YKE-01

Version 1.1

2017-01

GB



YKE-01-e-1711



# KERN YKE-01

Version 1.1 2017-01

## Operating manual

### Label printer

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

#### 1. Technical data

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

#### 2. Declaration of Conformity

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

[www.kern-sohn.com/ce](http://www.kern-sohn.com/ce)

### 3. Unpacking

Delivery includes:

- Printer
- Mains adapter
- 3 net cable (EU, UK, US)
- Adapter cable
- 1 x roll thermal paper
- Operating instructions (without illustration)



If one of 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. 6 „Operating elements“)
- 2 – LEDs (see chap. 6 „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



## 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

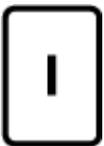
After the connection of the mains adapter to the printer and to the power supply, as well as after the on/off switch of the printer having been switched over into "1" position, the green (right) display of the power supply will light up.

This indicator also signals that the printer is ready for operation.

### LEDs:

	
<p><b>LED green:</b></p> <ul style="list-style-type: none"><li>• Printer is ready for operation, Printer is correctly connected to power supply</li></ul>	<p><b>LED red:</b></p> <ul style="list-style-type: none"><li>• Cover for paper compartment has been opened</li><li>• No paper roll in the printer</li><li>• Paper backlog</li></ul>

### Buttons:

	<ul style="list-style-type: none"><li>• Call up menu</li><li>• Change menu items in the menu</li><li>• Short pressing: Paper forward feed</li></ul>
	<ul style="list-style-type: none"><li>• Exit menu</li><li>• Acknowledge menu items in the menu</li></ul>

## 8. The menu



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  shortly, after approx. 1 second press , 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  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
<pre> 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   e 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 à á â ã ç è é ê 9   É æ Æ ð ö ò û Š š Ÿ Ź A   a i ó ú ñ Ñ æ œ ð ñ ò B                                 C   L 1 T π μ π μ π μ π μ D   μ π π μ π μ π μ π μ π μ E   Ó B Γ Ν ρ J μ τ φ θ Ω δ F                                 </pre>	
<p>Press left button to change right button to validate. Press right button for a long time the configuration.</p>	
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
- only after having confirmed all menu items, the complete menu with the newly set menu items will be printed out

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

- Press  to change settings
- Press  to acknowledge settings

### Printout example:

Baud rate 9600 bds	Press <input type="button" value="2"/> to confirm Baud rate, Press <input type="button" value="1"/> to change Baud rate
Format: 8 bits, no parity	Press <input type="button" value="2"/> to confirm data bits and parity Press <input type="button" value="1"/> to change data bits and parity
CR = CR+LF	Press <input type="button" value="2"/> to confirm „Line forward feed till to the next label“ Press <input type="button" value="1"/> to select „Line forward feed 1 line“
Font height * 2	Press <input type="button" value="2"/> to confirm font size „2“, Press <input type="button" value="1"/> to change font size

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

## 9. Storage conditions and use of thermal paper

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

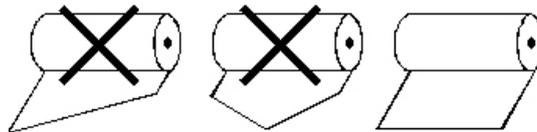
Storage:

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

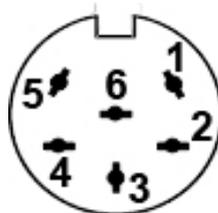
Always store printed paper under the following conditions:

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

Change paper roll:



## 10. Printer cable



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

## 11. 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.