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# Operating manual Large Display

## KERN YKD-A02

Version 1.0  
06/2014  
GB



YKD-A02-BA-e-1410



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Version 1.0 06/2014

## Operating manual

### Second display

#### Contents

<b>1</b>	<b>Technical data</b> .....	<b>3</b>
<b>2</b>	<b>Basic Information (General)</b> .....	<b>3</b>
2.1	Proper use .....	3
2.2	Improper Use.....	3
2.3	Warranty.....	3
<b>3</b>	<b>Basic Safety Precautions</b> .....	<b>4</b>
3.1	Pay attention to the instructions in the Operation Manual .....	4
3.2	Personnel training.....	4
<b>4</b>	<b>Transport and storage</b> .....	<b>4</b>
4.1	Testing upon acceptance.....	4
4.2	Packaging.....	4
<b>5</b>	<b>Unpacking, Setup and Commissioning</b> .....	<b>5</b>
5.1	Installation Site, Location of Use.....	5
5.2	Unpacking.....	5
5.2.1	Scope of delivery .....	5
5.3	Mains connection.....	5
5.4	Initial Commissioning.....	6
<b>6</b>	<b>Operation</b> .....	<b>6</b>
6.1	Display.....	6
<b>7</b>	<b>Servicing, maintenance, disposal</b> .....	<b>7</b>
7.1	Cleaning .....	7
7.2	Servicing, maintenance.....	7
7.3	Disposal.....	7
<b>8</b>	<b>Instant help</b> .....	<b>8</b>

English

## 1 Technical data

KERN	YKD-A02
LED large display (luminous)	Digit height: 76 mm 6 segments
Electric Supply	230 V
RS -232 interface	✓

## 2 Basic Information (General)

### 2.1 Proper use

The large display unit acquired by you serves as an additional display unit away from the balance and is used for the display of the weighing value for material to be weighed.

### 2.2 Improper Use

The large display must never be operated in rooms subject to explosion hazard. The serial version is not explosion protected.

The structure of the large display may not be modified. This may result in incorrect display results, safety-related defects as well as destruction.

The large display may only be used according to the described conditions. Other areas of use must be released by KERN in writing.

### 2.3 Warranty

Warranty claims shall be voided in case

- our conditions in the operation manual are ignored
- the appliance is used outside the described uses
- the appliance is modified or opened
- mechanical damage and damage caused by media, liquids, natural wear and tear
- the appliance is improperly set up or incorrectly electrically connected

### 3 Basic Safety Precautions

#### 3.1 Pay attention to the instructions in the Operation Manual



Carefully read this operation manual before setup and commissioning, even if you are already familiar with KERN balances.

All language versions contain a non-binding translation.

The original German is binding.

#### 3.2 Personnel training

The appliance may only be operated and maintained by trained personnel.

### 4 Transport and storage

#### 4.1 Testing upon acceptance

When receiving the appliance, please check packaging immediately, and the appliance itself when unpacking for possible visible damage.

#### 4.2 Packaging

Keep all parts of the original packaging in case you need to return the appliance. Only use original packaging for returning. Before sending, disconnect all connected cables and loose/movable parts.

## 5 Unpacking, Setup and Commissioning

### 5.1 Installation Site, Location of Use

The unit is designed to achieve reliable display results under normal conditions of use.

**Therefore, observe the following for the installation site:**

- Protect the unit against severe vibrations;
- Protect the appliance against high humidity, vapours and dust;
- Do not expose the device to extreme dampness for longer periods of time. Non-permitted condensation (condensation of air humidity on the appliance) may occur if a cold appliance is taken to a considerably warmer environment. In this case, acclimatize the disconnected appliance for ca. 2 hours at room temperature.
- Avoid static charge.

Major display deviations (incorrect weighing results) may be experienced should electromagnetic fields (e.g. due to mobile phones or radio equipment), static electricity accumulations or instable power supply occur. Change location or remove source of interference.

### 5.2 Unpacking

Carefully take the unit out of the packaging, remove the plastic jacket and mount the second display unit at the intended workplace.

#### 5.2.1 Scope of delivery

**Serial accessories:**

- Interface cable
- 2 power cords (UK/Euro)
- Operating manual
- Sticker “kg“

### 5.3 Mains connection

Power supply is provided via the supplied mains cable.

## 5.4 Initial Commissioning



It is absolutely necessary to disconnect the weighing scales from the mains before connecting or disconnecting a second display to/from the scales.

This second display is exclusively suitable for the connection to KERN balances.

When connected, the weighing scale must be set to **Cont** (continuous data output) and a baud rate of **9600**.

For details please see operating instructions for the connected balance.

Plug one end of the supplied interface cable into the balance and the other end into the right side of the case of the second display unit.

## 6 Operation

### 6.1 Display

Connect the device to the power supply by using the supplied power cords.

The device will run a self-test after which the display of the connected weighing scales will be adopted. Now it is ready for operation.

“**Error**” will be displayed if the connected balance does not send a signal or is not connected correctly.

## **7 Servicing, maintenance, disposal**

### **7.1 Cleaning**

Before cleaning, please disconnect the appliance from the operating voltage.

Please do not use aggressive cleaning agents (solvents or similar agents), but a cloth dampened with mild soap suds. Ensure that no liquid penetrates into the device and wipe with a dry soft cloth.

### **7.2 Servicing, maintenance**

The appliance may only be opened by trained service technicians who are authorized by KERN.

Before opening, disconnect from power supply.

### **7.3 Disposal**

Disposal of packaging and appliance must be carried out by operator according to valid national or regional law of the location where the appliance is used.

## 8 Instant help

In the case of a fault, disconnect the device briefly from the mains. The process must then be restarted from the beginning.

Help:

**Fault**

**Possible cause**

Display is not lit up.

- The display unit is not switched on.
- The mains supply connection has been interrupted (mains cable not plugged in/faulty).
- Power supply interrupted.

The display will show "error", or stop at "0".

- Unit is not connected to balance
- Incorrect settings for weighing scale interface  
(Check baud and cont settings)
- Electromagnetic fields / static charging (choose different location/switch off interfering device if possible)