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# Operating instructions

## Second display unit

### KERN PFB-A08

Version 1.1  
01/2013  
GB



PFB-BA-e-1311



# KERN PFB-A08

Version 1.1 01/2013

## Operating instructions Second display unit

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English

## 1 Technical data

Second display unit LCD with a numeral height of 16.5 mm

Power is supplied via the connecting cable at the balance.

## 2 Basic Information (General)

### 2.1 Proper use

The second display unit acquired by you serves as an additional display unit away from the balance to display the weighing value of weighed goods, especially in open points of sale.



**The second display unit is exclusively suitable for the connection to KERN balances.**



**When the display is used, the stickers in the appendix have to be mounted on the display in the respective language of the country.**

Example:

Not to be used for direct sale  
to the public

### 2.2 Improper Use

Never operate second display unit in explosive environment. The serial version is not explosion protected.

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

The second display unit 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 appliances.

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 / return transport



- ⇒ Keep all parts of the original packaging for a possibly required return.
- ⇒ Only use original packaging for returning.
- ⇒ Prior to dispatch disconnect all cables and remove loose/mobile parts.
- ⇒ Reattach possibly supplied transport securing devices.
- ⇒ Secure all parts such as the glass wind screen, the weighing platform, power unit etc. against shifting and damage.

## 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 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 together with the balance at the intended workplace.

(installation of the balance according to the operating instructions of the balance)

#### 5.2.1 Scope of delivery

***Serial accessories:***

- 1 connecting cable to the balance
- Operating instructions

### 5.3 Electric Supply

Power is supplied via the connected balance.

## 5.4 Connection to the balance

Before connecting the second display or unplugging the second display unit to resp. from the balance, make sure that the balance is unplugged from the mains. This second display unit is exclusively suitable for the connection to KERN balances.

## 5.5 Initial Commissioning


In the menu of the connected balance in the menu item “**F3 Con**“ the parameter “**S 232 – P Cont**“ has to be set.


Set the baud rate at 9600 baud.


For details please see operating instructions of the connected balance.

Plug one end of the connecting cable into the balance and the other end into the backside of the case of the second display unit.

- ⇒ Connect the second display unit with the delivered connection cable to the balance
- ⇒ Power is supplied via the balance. The second display has no own power supply unit.
- ⇒ The balance can now be controlled via the second display unit.

Press  to switch on or off only the second display

Reset balance and second display to zero by 


Tare balance and second display to zero by 

## 6 Operation

### 6.1 Overview of display



### 6.2 Display

Turn on device using the  button.

The appliance carries out a selftest and then changes to the zero display „**0.0**“. Afterwards the display of the connected balance will be imported. Now the second display unit is ready for use.

## **7 Service, 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 Service, 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 case of an error in the program process, briefly turn off the appliance and disconnect from power supply. The process must then be restarted from the beginning.

Help:

### Fault

### Possible cause

Display is not lit up.

- The unit is not switched on.
- The connection to the balance is interrupted
- Power supply interrupted.
- Setting parameters of the balance interface are not correct