

# IP protected bench scale KERN WTB-N



Ideal for food industry, thanks to its IP65 protection and special checkweighing display, now also with EC type approval [M]

## Features

- **Suitable for the ever-increasing hygienic requirements in the food industry**
- **1 IP65:** Dust and spray protected (only when using rechargeable battery pack)
- Weighing plate stainless steel, removable, for easy cleaning
- **2 Second display** on the rear of the balance
- **Compact size**, practical for small spaces
- **3 Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning dosing and grading
- **High mobility** thanks to its rechargeable batteries (optional) and low weight

- **Recessed grips on the underside** of the scale for easy transportation
- Your support in a **HACCP-compliant** quality system

## Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel, WxD 260x200 mm
- Overall dimensions WxDxH 280x320x125 mm
- Net weight approx. 3,115 kg
- Permissible ambient temperature -10 °C / 40 °C

## Accessories

- **Protective working cover** over keyboard and housing. Can be re-ordered, scope of delivery: 5 items, KERN RFB-A01S05
- **Rechargeable battery pack internal**, operating time up to 50 h, charging time approx. 12 h, can be retrofitted, KERN WTB-A01N
- **4 Tare pan made of stainless steel**, ideal for weighing loose fruit and vegetables, WxDxH 370x240x20 mm, for details see page 182, KERN RFS-A02
- **Sturdy transport case** to protect and store the scale, dimensions WxDxH 510x360x220 mm, for details see page 182, KERN RFB-A02

## STANDARD



## OPTION



## FACTORY




Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Options			
					Verification		DAkkS Calibr. Certificate	
					MID KERN		DKD KERN	
WTB 1K-4N	1,5	0,2	-	-	-	-	963-127	
WTB 3K-4N	3	0,5	-	-	-	-	963-127	
WTB 6K-3N	6	1	-	-	-	-	963-128	
WTB 10K-3N	15	2	-	-	-	-	963-128	
WTB 30K-3N	30	5	-	-	-	-	963-128	

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.

WTB 1K-4NM	1,5	0,5	0,5	10	965-227	963-127	
WTB 3K-3NM	3	1	1	20	965-227	963-127	
WTB 6K-3NM	6	2	2	40	965-228	963-128	
WTB 10K-3NM	15	5	5	100	965-228	963-128	
WTB 30K-2NM	30	10	10	200	965-228	963-128	

# KERN Pictograms:

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance.
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.	 <b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 <b>Rechargeable battery pack:</b> Rechargeable set.
 <b>Alibi memory:</b> Electronic archiving of weighing results, complying with the 2009/23/EC standard.	 <b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode.	 <b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 <b>Totalising level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition.	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.	 <b>Weighing principle: Strain gauge</b> Electrical resistor on an elastic deforming body.	 <b>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).	 <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Weighing units:</b> Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.	 <b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>Interface for second balance:</b> For direct connection of a second balance.	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 <b>DAKkS calibration possible (DKD):</b> The time required for DAKkS calibration is shown in days in the pictogram.
 <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram.	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module.	 <b>ATEX explosion protection:</b> Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.	 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
 <b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.	 <b>Stainless steel:</b> The balance is protected against corrosion.	 <b>Warranty:</b> The warranty period is shown in the pictogram.
 <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers.		

## KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAKkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAKkS calibration laboratory today is one of the most modern and best-equipped DAKkS calibration laboratories for balances, test weights and force-measurement in Europe.

Thanks to the high level of automation, we can carry out DAKkS calibration of

balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

### Range of services:

- DAKkS calibration of balances with a maximum load of up to 50 t
- DAKkS calibration of weights in the range of 1 mg – 2500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAKkS calibration certificates in the following languages D, GB, F, I, E, NL, PL

## Your KERN specialist dealer: