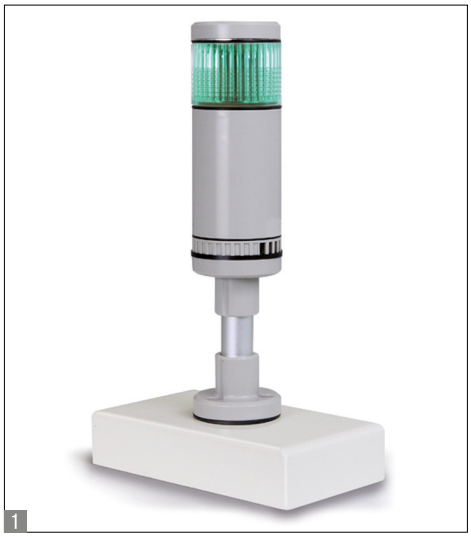
Bench scale KERN GAB-N



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Application examples:
- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portioning of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Mobile weighing of freshly picked fruit on site
- High-precision industrial applications

Note: Official verification duties in commercial trade

Checkweighing and portioning scale, also with EC type approval [M]

Features

- **Compact size,** practical for small spaces
- **High mobility:** thanks to battery operation (optional)
- **Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading
- **Totalising** of weights

Technical data

- Large backlit LCD display, digit height 24 mm
- Dimensions of weighing plate, stainless steel, WxD 294x225 mm
- Overall dimensions WxDxH 320x330x125 mm
- Net weight approx. 3,3 kg
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Protective working cover**, KERN CFS-A02
- 1 **Signal lamp** for visual support of weighing with tolerance range. Three-colour LED (yellow, green, red) Overall dimensions WxDxH 100x180x300 mm, KERN CFS-A03
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, can be retrofitted, KERN GAB-A04
- **Y cable** for parallel connection of two terminal devices to the RS-232 interface on the balance, e.g. signal lamp and printer, KERN CFS-A04

STANDARD: CAL EXT · RS 232 · GLP PRINTER · PCS · SUM · PERCENT · UNIT · TOL · 230 V · DMS · 1 DAY · 2 YEARS WARRANTY

OPTION: ACCU · DAkkS +3 DAYS

FACTORY: M +3 DAYS (only GAB-DNM)

Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Min. piece weight [Counting] g/piece		Options Verification KERN		DAkkS Calibr. Certificate KERN	
GAB 6K0.05N	6	0,05	–	–	0,05		–		963-128	
GAB 12K0.1N	12	0,1	–	–	0,1		–		963-128	
GAB 30K0.2N	30	0,2	–	–	0,2		–		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.										
Dual-range scale switches automatically to the next largest weighing range [Max] and readout [d].										
GAB 6K1DNM	3 | 6	1 | 2	1 | 2	20	0,2		965-228		963-128	
GAB 15K2DNM	6 | 15	2 | 5	2 | 5	40	0,5		965-228		963-128	
GAB 30K5DNM	15 | 30	5 | 10	5 | 10	100	1		965-228		963-128	

KERN Pictograms

CAL INT — **Internal adjusting:** Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).

CAL EXT — **Adjusting program CAL:** For quick setting up of the balance's accuracy. External adjusting weight required.

MEMORY — **Memory:** Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

RS 232 — **Data interface RS-232:** To connect the balance to a printer, PC or network.

RS 485 — **RS-485 data interface:** To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.

USB — **USB data interface:** To connect the balance to a printer, PC or other peripherals.

BT — **Bluetooth data interface:** To transfer data from the balance to a printer, PC or other peripherals.

WLAN — **WLAN data interface:** To transfer data from the balance to a printer, PC or other peripherals.

SWITCH — **Control outputs (optocoupler, digital I/O):** To connect relays, signal lamps, valves, etc.

DUAL — **Interface for second balance:** For direct connection of a second balance.

LAN — **Network interface:** For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.

GLP INTERN — **GLP/ISO log:** The balance displays the weight, date and time, regardless of a printer connection.

GLP PRINTER — **GLP/ISO log:** With weight, date and time. Only with KERN printers, see "Accessories"

PCS — **Piece counting:** Reference quantities selectable. Display can be switched from piece to weight.

RECIPE A — **Recipe level A:** Separate memory for the weight of the tare container and the recipe ingredients (net total).

RECIPE B — **Recipe level B:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.

RECIPE C — **Recipe level C:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.

SUM A — **Totalising level A:** The weights of similar items can be added together and the total can be printed out.

SUM C — **Totalising level C:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.

PERCENT — **Percentage determination:** Determining the deviation in % from the target value (100 %).

UNIT — **Weighing units:** 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.

TOL — **Weighing with tolerance range:** Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.

MOVE — **Vibration-free weighing:** (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.

IP — **Protection against dust and water splashes IPxx:** The type of protection is shown in the pictogram. For details see the glossary.

ATEX — **ATEX explosion protection:** Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

INOX — **Stainless steel:** The balance is protected against corrosion.

UNDER — **Suspended weighing:** Load support with hook on the underside of the balance.

BATT — **Battery operation:** Ready for battery operation. The battery type is specified for each device.

ACCU — **Rechargeable battery pack:** Rechargeable set.

230 V — **Mains adapter:** 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.

230 V — **Power supply:** Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.

DMS — **Strain gauges:** Electrical resistor on an elastic deforming body.

T-FORK — **Tuning fork principle:** A resonating body is electromagnetically excited, causing it to oscillate.

FORCE — **Electromagnetic force compensation:** Coil inside a permanent magnet. For the most accurate weighings.

SC TECH — **Single cell technology:** Advanced version of the force compensation principle with the highest level of precision.

M +3 DAYS — **Verification possible:** The time required for verification is specified in the pictogram.

DAkkS +3 DAYS — **DAkkS calibration possible:** The time required for DAkkS calibration is shown in days in the pictogram.

1 DAY — **Package shipment:** The time required for internal shipping preparations is shown in days in the pictogram.

2 DAYS — **Pallet shipment:** The time required for internal shipping preparations is shown in days in the pictogram.

3 YEARS WARRANTY — **Warranty:** The warranty period is shown in the pictogram.

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 6 t
- DAkkS calibration of weights in the range of 1 mg – 500 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

Your KERN specialist dealer: