Bench scale KERN GAB-N(SK)



Checkweigher and portion weighing 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 signal assists with portion division, 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 kg
- \bullet Permissible ambient temperature 0 °C / 40 °C

Accessories

- Protective working cover, KERN CFS-A02
- **II** Signal lamp for visual support of weighing with tolerance range. Three-colour LED (yellow, green, red). Overall dimensions WxDxH 100x180x300 mm, KERN CFS-A03



Application examples:

- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portion division of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Weighing of fruits on site
- High-precision industrial applications

Note: In commercial trade, official verification duties exist

- Rechargeable battery pack internal, operating time up to 40 h, charging time approx. 12 h, 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
- Suitable printers see page 138

| SIANDARD | | | | | | | | OPTION | | FACTORY | | | | |
|----------------|-----------------|-----|--------------|--|------------|-------|---------------------|--------|-------|--------------------------------|------|----------------|---------|--|
| CAL EXT RS 232 | GLP PROTOCOL | PCS | % PERCENT | | -√+ TOL | 230 V | 0.00 TARE | DMS | 1 DAY | 2 _{years} warranty | ACCU | DKD +3 DAYS | H3 DAYS | |
| | only with | | | | | | | | | | | | | |
| | printer | | | | | | | | | | | | | |

| Model | Weighing | Read- | Verific. | Minimum | Repro- | Linea- | | Options | | | |
|-------------|-----------------|----------------|-----------------|-----------------|-----------------|---------------|------------------|-----------------|-----------------|-------------------------|--|
| | range | out | value | load | duci- | rity | | Verification | | DKD Calibr. Certificate | |
| | [Max] | [d] | [e] | [Min] | bility | | | MIII | | DKD | |
| KERN | kg | g | g | g | g | g | | KERN | | KERN | |
| GAB 6K0.05N | 6 | 0,05 | - | - | 0,05 | ± 0,15 | | - | | 963-128 | |
| GAB 12K0.1N | 12 | 0,1 | - | - | 0,1 | ± 0,3 | | - | | 963-128 | |
| GAB 30K0.2N | 30 | 0,2 | - | - | 0,2 | ± 0,6 | | - | | 963-128 | |
| No | ote: For applic | ations that re | quire verificat | ion, please ord | ler verificatio | n at the same | time, initial ve | rification at a | later date is r | not possible. | |

Verification at the factory, we need to know the full address of the location of use.

| Dual-range balance (D = Dual): switches automatically to the next largest weighing range [Max] and readout [d]. | | | | | | | | | | |
|---|---------|--------|--------|-----|--------|-----------|---------|---------|--|--|
| GAB 6K1DNM | 3 6 | 1 2 | 1 2 | 20 | 1 2 | ± 1 ± 2 | 965-228 | 963-128 | | |
| GAB 15K2DNM | 6 15 | 2 5 | 2 5 | 40 | 2 5 | ±2 ±5 | 965-228 | 963-128 | | |
| GAB 30K5DNM | 15 30 | 5 10 | 5 10 | 100 | 5 10 | ±5 ±10 | 965-228 | 963-128 | | |

KERN Pictograms



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



Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.



Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.



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



RS 485 data interface: To connect the balance to a printer, PC or other peripheral devices. High tolerance against electromagnetic disturbance.



USB data interface: To connect the balance to a printer, PC or other peripheral devices.



Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.



Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.



Interface for second balance: for direct connection of a second balance.



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



converter. GLP/ISO record keeping: of weighing data with date, time and identification-no.



Piece counting: Reference quantities selectable. Display can be switched from

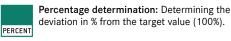


Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).

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



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





Weighing units: Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details.

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

^-Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a MOVE stable weight is obtained.

Spray and dust protection IPxx: The type of 666 protection is shown by the pictogram. IP For details see the glossary.

Stainless steel: the balance is protected against corrosion. INOX



Suspended weighing: load support with hook on the underside of the balance.



Battery operation: Ready for battery

for each device.



Rechargeable battery pack: rechargeable set.

230 V

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

Power supply: integrated in balance. -C= 230V/50Hz in Germany. More standards 230 V e. g. GB, AUS, USA on request.

Strain gauges: Electrical resistor on an DMS

elastic deforming body.

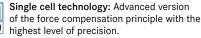


Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.



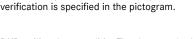
Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.

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Verification possible: The time required for

+3 DAYS





DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.



Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.



manufacture the product internally is shown in days in the pictogram.



Warranty: The warranty period is shown in the pictogram.

Precision is our business

Only with printers from KERN.

piece to weight.

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of ist accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and forcemeasurement in Europe. (DKD = German Calibration Service)

Your KERN specialist dealer:

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DKD calibration of balances with a maximum load of up to 6 t
- DKD 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
- DKD calibration certificates in the following languages D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponsing test weight or the calibration service ? Your KERN specialist dealer will be pleased to assist you.

operation. The battery type is specified

WARRANTY

3YEARS

Pallet shipment: The time required to