

## PRODUCT BROCHURE

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# KERN EMB 200-3

Date: 28.04.2025

ENGLISH



Entry level laboratory balance with tremendous weighing performance

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## PRODUCT SHOWCASE



## DESCRIPTION

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- Ring-shaped draught shield standard, weighing space  $\varnothing \times H$  96×35 mm
- Hook for underfloor weighing standard
- Note: With the optional auxiliary set for density determination KERN YDB-04 also well suited for school and teaching operation, see accessories

## SPECIFICATIONS

### Article codes, product groups & Status information

|                    |                     |
|--------------------|---------------------|
| Model article-code | EMB 200-3           |
| Model-Serie        | EMB                 |
| Assortment         | KERN                |
| Product Type       | Laboratory balances |
| Product group      | School balances     |
| Product usage type | Main article        |
| EAN code (Model)   | 4045761111370       |

Customs tariff number 90160010

CE Label yes

### Technical data - Primary

|                      |           |
|----------------------|-----------|
| Weighing capacity    | 200 g     |
| Readability          | 0.001 g   |
| Repeatability        | 0.001 g   |
| Linearity            | ± 0.005 g |
| Weighing surface (d) | 82 mm     |

Recommended adjusting weight 200 g (F1)

## Technical data - Construction

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Dimension housing (W×D×H)            | 170×244×54 mm                    |
| Material weighing plate              | plastic, with conductive lacquer |
| Casing material                      | plastic                          |
| Weighing surface (d)                 | 82 mm                            |
| Dimensions draft shield, inner (Ø×H) | 96×35 mm                         |
| Dimensions draft shield, outer (Ø×H) | 105×35 mm                        |

## Technical data - Display

|                |       |
|----------------|-------|
| Display height | 15 mm |
| Backlight      | no    |

## Technical data - Power supply

|                |           |
|----------------|-----------|
| Battery        | 9 V Block |
| Operating time | 12 h      |

## Technical data - Measuring system

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Calibration method                             | Adjusting with external weight |
| Linearity                                      | ± 0.005 g                      |
| Readability                                    | 0.001 g                        |
| Recommended adjusting weight                   | 200 g (F1)                     |
| Repeatability                                  | 0.001 g                        |
| Stabilisation time under laboratory conditions | 2.5 s                          |

|                 |              |
|-----------------|--------------|
| Tare range      | 200 g        |
| Warm up time    | 120 min      |
| Weighing system | Strain gauge |
| Weighing units  | dwt;g;oz;ozt |

## Technical data - Environmental conditions

|                               |       |
|-------------------------------|-------|
| Maximum humidity              | 80 %  |
| Maximum operating temperature | 35 °C |
| Minimum ambient temperature   | 5 °C  |

## Technical data - Packing & Shipping

|                                             |                |
|---------------------------------------------|----------------|
| Dimensions packaging (W×D×H)                | 220×290×150 mm |
| Gross weight                                | 1.4 kg         |
| Net weight                                  | 0.85 kg        |
| Shipping method                             | Parcel service |
| Packaging component - by weight - paper     | 18 g           |
| Packaging component - by weight - cardboard | 890 g          |
| Packaging component - by weight - plastics  | 6 g            |
| Packaging component - by weight - styrofoam | 111 g          |
| Packaging component - by weight - wood      | 202 g          |
| Delivery time                               | 1 d            |

## Optional Services

|                   |         |
|-------------------|---------|
| DAkkS Calibration | 963-127 |
|-------------------|---------|

## FUNCTIONS

### Standard



### Option



## ACCESSORIES

| Model       | Description                               |
|-------------|-------------------------------------------|
| 440-902     | Power supply KERN 440-902                 |
| 470-902-003 | Power supply KERN 470-902-003             |
| KS-A01      | Rechargeable battery pack external KS-A01 |
| 326-08      | Test Weight KERN 326-08                   |
| YDB-04      | Set for Density Determination KERN YDB-04 |
| 315-208-304 | Safety Set KERN 315-208-304               |
| YKA-03N     | Power Adapter KERN YKA-03N                |

## SERVICES

| Model   | Description                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------|
| 963-127 | DAkkS Calibration KERN 963-127                                                                                    |
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517 |
| 970-014 | Warranty extension KERN (+3 years) 970-014                                                                        |

## SPARE PARTS

| Model       | Description                         |
|-------------|-------------------------------------|
| 440-902     | Power supply KERN 440-902           |
| 470-902-003 | Power supply KERN 470-902-003       |
| REMB-8001   | Battery compartment cover REMB-8001 |
| REMB-V-8002 | REMB-V-8002                         |
| REMB-6003   | Weighing plate KERN REMB-6003       |

| Model           | Description                 |
|-----------------|-----------------------------|
| REMB-2001       | Keyboard PCB REMB-2001      |
| REMB-4006       | Display overlay REMB-4006   |
| R440-000-13-001 | DC socket R440-000-13-001   |
| RPCB-8007       | Draft shield KERN RPCB-8007 |

## RELATED ARTICLES DATA

| Model name  | Weighing capacity | Readability | Repeatability | Linearity | Weighing surface (d) | Recommended adjusting weight |
|-------------|-------------------|-------------|---------------|-----------|----------------------|------------------------------|
| EMB 200-2   | 200 g             | 0.01 g      | 0.01 g        | ± 0.02 g  | 105 mm               | 200 g (M1)                   |
| EMB 2200-0  | 2200 g            | 1 g         | 1 g           | ± 2 g     | 150 mm               | 2 kg (M1)                    |
| EMB 5.2K5   | 5200 g            | 5 g         | 5 g           | ± 10 g    | 150 mm               | 5 kg (M1)                    |
| EMB 1200-1  | 1200 g            | 0.1 g       | 0.1 g         | ± 0.3 g   | 150 mm               | 1 kg (M1)                    |
| EMB 5.2K1   | 5200 g            | 1 g         | 1 g           | ± 3 g     | 150 mm               | 5 kg (M1)                    |
| EMB 100-3   | 100 g             | 0.001 g     | 0.001 g       | ± 0.005 g | 82 mm                | 100 g (F1)                   |
| EMB 1000-2  | 1000 g            | 0.01 g      | 0.01 g        | ± 0.05 g  | 150 mm               | 1 kg (F1)                    |
| EMB 600-2   | 600 g             | 0.01 g      | 0.01 g        | ± 0.03 g  | 105 mm               | 500 g (F2)                   |
| EMB 500-1   | 500 g             | 0.1 g       | 0.1 g         | ± 0.2 g   | 150 mm               | 500 g (M1)                   |
| EMB 200-3V  | 200 g             | 0.001 g     | 0.002 g       | ± 0.005 g | 82 mm                | 200 g (F1)                   |
| EMB 3000-1  | 3000 g            | 0.1 g       | 0.1 g         | ± 0.3 g   | 150 mm               | 3 kg (M1)                    |
| EMB 500-1BE | 500 g             | 0.1 g       | 0.1 g         | ± 0.2 g   | 150 mm               | 500 g (M1)                   |
| EMB 2000-2V | 2000 g            | 0.01 g      | 0.02 g        | ± 0.05 g  | 150 mm               | 2 kg (F1)                    |
| EMB 6000-1  | 6000 g            | 0.1 g       | 0.1 g         | ± 0.3 g   | 150 mm               | 5 kg (M1)                    |
| EMB 200-3   | 200 g             | 0.001 g     | 0.001 g       | ± 0.005 g | 82 mm                | 200 g (F1)                   |
| EMB 2000-2  | 2000 g            | 0.01 g      | 0.01 g        | ± 0.05 g  | 150 mm               | 2 kg (F1)                    |