

**PRODUCT BROCHURE**

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**KERN  
EMB 1200-1**

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**ENGLISH****Image not  
available**

Entry level laboratory balance with tremendous weighing performance

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**CONTACT**

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## DESCRIPTION

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- 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 1200-1          |
| Model-Serie                            | EMB                 |
| Assortment                             | KERN                |
| Product Type                           | Laboratory balances |
| Product group                          | School balances     |
| Product usage type                     | Main article        |
| EAN code (Model)                       | 4045761076532       |
| Customs tariff number                  | 84238129            |
| IsKERNReferenceArticle<br>NonMandatory | False               |

### Technical data - Primary

|                      |         |
|----------------------|---------|
| Weighing capacity    | 1200 g  |
| Readability          | 0.1 g   |
| Repeatability        | 0.1 g   |
| Linearity            | ± 0.3 g |
| Weighing surface (d) | 150 mm  |

Recommended adjusting weight 1 kg (M1)

### Technical data - Construction

|                           |               |
|---------------------------|---------------|
| Dimension housing (W×D×H) | 170×245×39 mm |
| Material weighing plate   | plastic       |
| Casing material           | plastic       |

### Technical data - Display

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

### Technical data - Power supply

|                |           |
|----------------|-----------|
| Battery        | 9 V Block |
| Operating time | 16 h      |

### Technical data - Measuring system

|  |                                |
|--|--------------------------------|
| Calibration method                             | Adjusting with external weight |
| Stabilisation time under laboratory conditions | 3 s                            |

|                 |              |
|-----------------|--------------|
| Tare range      | 1200 g       |
| Warm up time    | 30 min       |
| Weighing system | Strain gauge |
| Weighing units  | dwt;g;oz;ozt |

## FUNCTIONS

Standard  
Option

## 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)                | 204×267×70 mm  |
| Gross weight                                | 0.70 kg        |
| Net weight                                  | 0.55 kg        |
| Shipping method                             | Parcel service |
| Packaging component - by weight - paper     | 5 g            |
| Packaging component - by weight - cardboard | 720 g          |
| Packaging component - by weight - plastics  | 5 g            |
| Packaging component - by weight - styrofoam | 98 g           |
| Packaging component - by weight - foam      | 23 g           |
| Delivery time                               | 1 d            |

## Optional Services

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

## ACCESSORIES

| Model       | Description                               |
|-------------|---|
| 440-902     | Power supply KERN 440-902                 |
| 347-11      | Test Weight KERN 347-11                   |
| 470-902-003 | Power supply KERN 470-902-003             |
| KS-A01      | Rechargeable battery pack external KS-A01 |
| 315-411-406 | Safety Set KERN 315-411-406               |
| YKA-03N     | Power Adapter KERN YKA-03N                |

## SERVICES

| Model   | Description  |
|---------|--|
| 963-127 | DAkKS Calibration KERN 963-127   |
| 961-247 | Adjustment at the location of installation 961-247   |
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkKS calibration certificate)969-517 |
| 970-011 | Warranty extension KERN (+3 years) 970-011   |

## SPARE PARTS

| Model           | Description                         |
|-----------------|-------------------------------------|
| 470-902-003     | Power supply KERN 470-902-003       |
| REMB-V-8002     | REMB-V-8002                         |
| REMB-6002       | Weighing plate KERN REMB-6002       |
| 440-902         | Power supply KERN 440-902           |
| REMB-8001       | Battery compartment cover REMB-8001 |
| REMB-4003       | Display overlay REMB-4003           |
| R440-000-13-001 | DC socket R440-000-13-001           |
| REMB-2001       | Keyboard PCB REMB-2001              |

## RELATED ARTICLES DATA

| Model name  | Weighing capacity | Readability | Repeatability | Linearity | Weighing surface (d) | Recommended adjusting weight |
|-------------|-------------------|-------------|---------------|-----------|----------------------|------------------------------|
| 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)                    |

| 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 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)                    |
| 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)                    |

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