

Standard

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

U **Underfloor weighing:** load support with hook on the underside of the balance.

TAR **Tare:** put back displayed value to "0" during weighing process, e.g. to add or remove weighing material from a container.

Option (addit. price)

230 **Mains adapter:** 230 V / 50 Hz. Standard type D, if requested also available in standard GB, AUS or USA.

Order Hotline:
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Entry-level model in the low cost range

KERN EMB
School balance

Delivery 1 day

Connection socket for mains adapter standard

2 years Warranty

Mains adapter not standard, KERN 440-902

Ready for use
Batteries included. For models with $d = 0.01$ g: 1 x 9 V monobloc battery.
For models with $d \geq 0.1$ g: 2 x 1.5 V, Size AA.
AUTO-OFF function after 3 min without a change of load to preserve the batteries

Order example 3-Pack: **KERN EMB 220-1 -S3**

Model	Read-out d	Weighing range Max	Weighing plate mm	1 piece	3-Pack
KERN	g	g	mm		
EMB 200-2	0,01	200	Ø 105		
EMB 220-1	0,1	220	Ø 150		
EMB 2200-0	1	2200	Ø 150		
EMB 5.2K5	5	5200	Ø 150		

Overall dimensions WxDxH 170x240x39 mm. Net weight approx. 600 g. Large LCD display, with digit height 15 mm.



CAL EXT **Adjustment program CAL**
Test weight available additional price, standard in the case of KERN EMB 200-2

TAR **Add-on-weighing function**
simplifies mixing

STANDARD



OPTION



School balance with large weighing range

KERN 442
School balance

Delivery 1 day

Connection socket for mains adapter standard

2 years Warranty



Battery operation possible
monobloc battery (9 V).
AUTO-OFF function after 3 min without a change of load to preserve the batteries

Model	Read-out d	Weighing range Max
KERN	g	g
442-43 N	0,1	400
442-432 N	0,1	400
442-51 N	1	4000
442-512 N	1	4000

Overall dimensions WxDxH 145x185x55 mm. Net weight approx. 500 g. LCD display, digit height 12 mm.



CAL EXT **Adjustment program CAL**
Test weight available additional price

TAR **Add-on-weighing function**
simplifies mixing

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KERN - Your DKD Calibration Partner

issues DKD calibration certificates for balances and test weights in its own accredited laboratories. It is internationally valid.



KERN is manufacturer of test weights in the international classes of accuracy E1, E2, F1, F2, M1, M2, M3, from 1 mg up to 2000 kg



DKD = German Calibration Service

Your specialist dealer

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GB

Measurement data	EMB 200-2	EMB 220-1	EMB 2200-0	EMB 5.2K5
Reproducibility	0,01g	0,1g	1g	5g
Linearity	+/-0,02g	+/-0,2g	+/-2g	+/-10g
Stabilisation time (s)	2-3	2-3	2-3	2-3
Sensitivity drift (°C)	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶
Verification data				
Verification class	-	-	-	-
Verification value	-	-	-	-
Minimum load	-	-	-	-
Verification in the factory possible	-	-	-	-
Ambient conditions				
Permissible temperature	0... +40°C	0... +40°C	0... +40°C	0... +40°C
Permissible humidity	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)
Piece counting				
Minimum weight	-	-	-	-
Reference quantity	-	-	-	-
Basic equipment				
Protective working cover	-	-	-	-
Accumulator	-	-	-	-
Battery-supply	9V, 12h operation time	2 x 1,5V, size AA, 400h operation time	2 x 1,5V, size AA, 400h operation time	2 x 1,5V, size AA, 400h operation time
Auto-Off	In battery mode after 3min	In battery mode after 3min	In battery mode after 3min	In battery mode after 3min
Stand-by	-	-	-	-
Mains adapter	EURO, UK, US, AUS, 9V/100mA	EURO, UK, US, AUS, 9V/100mA	EURO, UK, US, AUS, 9V/100mA	EURO, UK, US, AUS, 9V/100mA
Filter steps	-	-	-	-
Type of balance display	LCD	LCD	LCD	LCD
Digit height of balance display	15mm	15mm	15mm	15mm
Levelling feet, level indicator	-	-	-	-
Weighing units	g	g	g	g
Freely programmable weighing units	-	-	-	-
Internal adjusting weight	-	-	-	-
External test weight, included	-	-	-	-
Recommended adjusting weight	100g (F2)	100g (M1)	1000g (M1)	2000g (M1)
Explosion protection	-	-	-	-
Dimensions / materials / weights				
Dim. of weighing plate (WxDxH / Ø, mm)	105	150	150	150
Dimensions of terminal (WxDxH, mm)	-	-	-	-
Dimensions of casing (WxDxH, mm)	170x240x39	170x240x39	170x240x39	170x240x39
Material of casing	Plastic	Plastic	Plastic	Plastic
Dim. of draught guard (WxDxH / ØxH, mm)	-	-	-	-
Material of draught guard	-	-	-	-
Dimensions of packaging (WxDxH, mm)	200x280x60	200x280x60	200x280x60	200x280x60
Gross weight (kg)	1	1	1	1
Net weight (kg)	0,6	0,6	0,6	0,6

Important notes:

- Our balances are **not suitable** for use in areas of high humidity or where there is a danger of explosion for models with protection class < IP 65.
- All relevant electrical regulations must be observed.