

# Basic

## 442 School balance

**DIRECT SCALE**  
www.direct-scale.com



### Standard

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

**Weighing units:** can be switched to e.g. non-metric units at the touch of a key. See balance model.

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

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

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

### KERN 442 School balance

### School balance with large weighing range

Order Hotline:  
Go to back page of catalogue

#### STANDARD



**Adjusting program CAL**  
External test weights available at an additional price



**Battery operation possible**  
block battery (9 V), included with models 442-432N and 442-512N. AUTO-OFF function after 3 min without a change of load to preserve the battery, can be switched off



only  
442-43N  
442-51N



Delivery  
1 day

2  
Years  
warranty

Best buy  
≥ 3 pcs.

KERN Model	Weighing range	Read-out	
		Max	d
442-43N	400 g	0.1 g	
442-51N	4000 g	1 g	
442-432N	400 g	0.1 g	
442-512N	4000 g	1 g	

Overall dimensions WxDxH 145x185x55 mm. Net weight approx. 500 g.

**Mains adapter** (power supply) can be reordered at any time for models 442-432N and 442-512N, KERN 440-902

**Large LCD display**  
digit height 12 mm

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

### KERN EFB School balance

### High mobility thanks to solar-power operation

#### STANDARD



**AUTO-OFF function**  
after 4 min without change of load

**Fast display**  
Stabilization time, approx. 2 sec

**Data hold function**  
The weight indication can be frozen by pressing the HOLD-key until the key is pressed again

**High mobility**  
thanks to solar-powered operation and negligible weight

**Internal energy storage** for poor light conditions

**Large LCD display**  
digit height 8 mm

**Easy to use**  
with one key



Solar cells

Stainless steel weighing plate  
Ø 140 mm

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Years  
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Dual-range balance: KERN EFB 2000-0D Max = 2 kg, d<sub>1</sub> = 1 g (from 0-1000g), d<sub>2</sub> = 2 g (from 1000-2000g)

Model	Weighing range	Read-out	Reproducibility	Linearity	Net weight approx.
KERN	Max	d	g	g	kg
d <sub>1</sub>   d <sub>2</sub> = Dual-range balance (D=Dual) automatic switchover					
EFB 200-1D	100   200	0,1   0,2	0,1   0,2	± 0,3   0,6	0,5
EFB 2000-0D	1000   2000	1   2	1   2	± 3   6	0,5
EFB 5K2D	2000   5000	2   5	2   5	± 6   15	0,5

14 Overall dimensions WxDxH 185x175x42 mm.

### 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 a 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



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KERN Model	Weighing range	Read-out	with power supply		without power supply	
			Max	d	Max	d
442-43N	400	0,1				
442-51N	4000	1				
442-432N	400	0,1				
442-512N	4000	1				

Overall dimensions WxDxH 145x185x55 mm. Net weight approx. 500 g.



Delivery 1 day

2 Years warranty

Best buy ≥ 3 pcs.



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