

KERN EFS 500-2

Perfect school balances for experimental teaching - easy to use, space-saving, stackable



Category

Brand	KERN
Product category	Laboratory balance
Product group	School balance
Product family	EFS

Measuring System

Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	500 g
Readability [d]	0,01 g
Resolution	50.000
Linearity	± 0,03 g
Linearisation in dots	2
Reproducibility	0,01 g
Default unit	g
Units	g gn dwt ozt lb oz
Adjustment options	Adjusting with external weight
Recommended adjusting weight	500 g (F2)
Possible calibration points	500 g
Stabilization time	2,5 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,05 g
Maximum creep (15 minutes)	40 mg
Maximum creep (30 minutes)	80 mg

Approval

CE mark	✓
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Display

Display type	LCD
Display type	LCD
Display screen size	55×23 mm
Display backlight	no
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	145×205×46,5 mm
Dimensions weighing platform (W×D×H)	130×125×10 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	plastic
Material platform	Plastics
Dimensions weighing surface (W×D)	134×127 mm

Functions

Number of keys for operation	2
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 1 min 30 sec
Capacity - Display	✓
Tare function	manual (multi)
IP protection - complete device	-

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Plug-in power supply type	Power adapter
Supplied power supply	Battery
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Battery	4×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery voltage	6 V
Battery operating time	200 h

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Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	255×200×70 mm
Net weight	0,43 kg
Shipping method	Parcel service
Net weight approx.	0,45 kg
Gross weight approx.	0,60 kg
Shipping weight	0,7 kg

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



KERN EFS 5000-0S05

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Product family	EFS

Measuring System	
Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	5200 g
Readability [d]	1 g
Resolution	5.200
Linearity	± 3 g
Linearisation in dots	2
Reproducibility	1 g
Default unit	g
Units	g gn dwt ozt lb oz
Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (M2)
Possible calibration points	5 kg
Stabilization time	2,5 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	3 g
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g

Approval	
CE mark	✓

Display	
Display type	LCD
Display type	LCD
Display screen size	55×23 mm
Display backlight	no
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	145×205×46,5 mm
Dimensions weighing platform (W×D×H)	130×125×10 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	plastic
Material platform	Plastics
Dimensions weighing surface (W×D)	134×127 mm

Functions	
Number of keys for operation	2
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 1 min 30 sec
Capacity - Display	✓
Tare function	manual (multi)
IP protection - complete device	-

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Plug-in power supply type	Power adapter
Supplied power supply	Battery
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Battery	4×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery voltage	30 V
Battery operating time	200 h

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Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	255×200×70 mm
Net weight	0,52 kg
Shipping method	Parcel service
Net weight approx.	0,55 kg
Gross weight approx.	3,0 kg
Shipping weight	3 kg

Services (optional)

Article number for adjustment at the location of installation	961-248S05
Article number for DAkkS calibration	963-128S05
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

