

KERN EFS 600-1

KERN

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

Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	620 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Resolution	6.200

Adjustment options Adjusting with external weight

Recommended adjusting weight 500 g (M2)

Possible calibration points 500 g

Stabilization time 2,5 s

Warm-up time 30 min

Linearisation in dots 2

Eccentric loading at 1/3 [Max] 0,5 g

Construction type of the scale Single-range balance

Units

g
gn
dwt
ozt
lb
oz

Maximum creep (15 minutes) 400 mg

Maximum creep (30 minutes) 800 mg

Default unit g

Display

Display type	LCD
Display type	LCD
Display backlight	no
Display screen size	55×23 mm
Display segments	5 + 1/2
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 surface (W×D)	134×127 mm
Dimensions weighing surface	134×127 mm
Dimensions weighing platform (W×D×H)	130×125×10 mm
Material housing	plastic
Material weighing plate	plastic
Material platform	plastic
Material display housing	plastic

Functions

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

Power Supply

Supplied power supply	Battery
Power supply type	Power adapter
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	6 V, 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Alkali(-Manganese)
Battery	4×1.5 V AA

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Battery connection	Pad + Spring
Battery operating time	200 h
Battery voltage	6 V
Battery – Individual weight	92 g
Battery/Accu connected	not connected, enclosed

Environmental conditions

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

Approval

CE mark	✓
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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	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	255×200×70 mm
Shipping method	Parcel service
Net weight approx.	0,45 kg
Gross weight approx.	0,60 kg
Shipping weight	0,7 kg

Product information

GTIN/EAN number	4045761252929
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

