

# KERN FEJ 33K-4M

High-capacity precision balance with password-protected user administration



USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Minimum weight [Min] (ct)	25 ct
Adjustment options	Internal calibration (automatic)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,3 g
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g

Approval	
CE mark	✓
Accuracy classe	II
Verification scale interval [e]	1 g
Verification scale interval [e] (ct)	5 ct

Display	
Display type	LCD
Display type	LCD
Display screen size	172×58 mm
Display backlight	✓
Display digit height - smallest digit	8,5 mm
Display digit height	16,5 mm
Languages of the user interface	English

Construction	
Dimension display device (W×D×H)	290×180×80 mm
Dimension housing (W×D×H)	350×520×170 mm
Dimensions weighing platform (W×D×H)	400×350×150 mm
Material display housing	stainless steel
Material housing	stainless steel, cast iron
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	350×400 mm
Display device cable length	1 m
Levelling feet adjustable	✓
Wall mount	✓

Functions	
Number of keys for operation	9
Capacity - Display	✓
PreTare function	✓
Tare function	manual (multi)
Percentage determination	✓

## Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	FEJ

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	33000 g
Weighing capacity [Max] (ct)	160000 ct
Readability [d]	0,1 g
Readability carat [d] (ct)	5 ct
Resolution	330.000
Linearity	± 0,3 g
Reproducibility	0,1 g
Tare range	33000 g
Default unit	g

	kg
	g
	dwt
	tl (Tw)
	tl (HK)
Units	ozt
	tl (Singap, Malays)
	ct
	lb
	oz
	tol
	mom

Units (if device is conformity assessed)	kg
	g
	ct

Minimum weight [Min]	5 g
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Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Standby function	✓
Recipe/summing level	Rez A (Net total)
Sum memory function	✓
Underfloor weighing	Hook (optional)
Interfaces	Digital I/O (optional, factory) RS-232 standard - 2x
IP protection - complete device	IP65
IP protection - display	IP65
IP protection - load cell	IP65
IP protection - platform	IP65

## Counting

Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	5, 10, 30, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	330.000

## Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	12 V, 1.0 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Rechargeable battery optional	Rchrg. battery optional (factory)
Rechargeable battery charging time	12 h
Rechargeable battery operating time - backlight off	10 h

## Environmental conditions

Humidity of environment [Max]	80 %
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Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	490×830×430 mm
Net weight	19 kg
Shipping method	Parcel service
Net weight approx.	19 kg
Gross weight approx.	26 kg
Shipping weight	35 kg

## Services (optional)

Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY

