

# KERN CFS 50K-3

Professional, high-resolution counting scale with 100 item memories and second balance interface, counting resolution up to 75,000 points



## Display

Display type	LCD
Display backlight	✓
Display digit height	20 mm

## Construction

Dimensions device (W×D×H)	320×350×125 mm
Dimension housing (W×D×H)	370×360×100 mm
Dimensions completely mounted (W×D×H)	370×360×125 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	370×240 mm
Material load cell(s)	aluminium
Levelling feet adjustable	✓

## Functions

Number of keys for operation	20
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 30 min 15 min
PreTare function	✓
Tare function	manual (multi)
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Conversion function	✓
Recipe/summing level	Sum A
PLU - total	100
Sum memory function	✓
Memory function	✓
Underfloor weighing	None
Interfaces	RS-232 standard Interface for a secondary balance
IP protection - complete device	IP23
IP protection - load cell	IP65

## Counting

Smallest piece weight when piece counting - laboratory conditions	1 g
Smallest piece weight when piece counting - normal conditions	10 g

## Category

Brand	KERN
Product category	Industrial scale
Product group	Counting scale
Product family	CFS

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	50 kg
Readability [d]	0,001 kg
Resolution	50.000
Linearity	± 0,002 kg
Reproducibility	0,001 kg
Tare range	50 kg
Default unit	kg
Units	kg lb
Adjustment options	Adjusting with external weight
Recommended adjusting weight	50 kg (F2)
Possible calibration points	15 kg; 30 kg; 50 kg
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 kg
Maximum creep (15 minutes)	4 g
Maximum creep (30 minutes)	8 g
Loadcell type	aluminium IP65 silicone-coated

## Approval

CE mark	✓
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Counting reference weight can be entered	✓
Reference quantity	n (any number of pieces)
Counting resolution (laboratory conditions)	50.000

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

## Pictograms

### STANDARD

CAL EXT	MEMORY	RS 232	KCP PROTOCOL	GLP PRINTER	DUAL	PCS	SUM	TOL
MULTI	DMS	1 DAY						

### OPTION

ACCU	DAkkS +3 DAYS
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## Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 500 mA
Supplied power supply	Power supply unit

Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
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Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
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Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery charging time	14 h
Rechargeable battery operating time - backlight on	40 h
Rechargeable battery operating time - backlight off	70 h
Battery / accumulator type	Pb

## Environmental conditions

Humidity of environment [Min]	0 %
Humidity of environment [Max]	80 %
Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	470×440×205 mm
Net weight	4,4 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	8,5 kg

## Services (optional)

Article number for adjustment at the location of installation	961-248
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