

# KERN IFS 6K-3SM

Industrial counting scale with convenient decimal keypad for easy data entry, counting resolution 60.000 points, verification optional



## Display

Display type	LCD
Display backlight	✓
Display digit height - smallest digit	13,5 mm
Display digit height	16,5 mm

## Construction

Dimensions completely mounted (W×D×H)	495×340×225 mm
Dimension display device (W×D×H)	260×150×65 mm
Dimensions weighing surface (W×D)	230×230 mm
Dimensions weighing surface	230×230 mm
Dimensions weighing platform (W×D×H)	230×230×103 mm
Material weighing plate	stainless steel
Material platform	mild steel
Material display housing	Plastics
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand height	330 mm
Stand inclinable	✓
Wall mount	✓
Cable length	2,5 m
Display device cable length	3 m

## Functions

PreTare function	✓
Sum memory function	✓
Recipe/summing level	Sum A
PLU - total	100
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Counting function	✓
Counting resolution (laboratory conditions)	60.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	n (any number of pieces)
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	no IP protection

## Category

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

## Measuring System

Construction type of the scale	Multi-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	3 kg; 6 kg
Readability [d]	0,001 kg; 0,002 kg
Reproducibility	0,001 kg; 0,002 kg
Linearity	± 0,001 kg; 0,002 kg
Minimum weight [Min]	0,02 kg; 0,04 kg
Resolution	3.000, 3.000
Tare range	-6 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (M1)
Stabilization time	2 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	0,001 kg; 0,002 kg
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg
Conformity assessment possible	✓
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	4-wire

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IP protection - load cell	IP65
Memory function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	21

Interface	
Interfaces	RS-232 standard

Power Supply	
Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	UK
	CH
Plug-in power supply / adapter for countries - optional	EURO
	AUS
	UK
	US
Input voltage power supply / power [Max]	100 - 240 V~ 50/60 Hz
	190 mA
	12 V, 500 mA
Battery / accumulator type	Pb
Rechargeable battery	6 V, 1.2 Ah
Rechargeable battery operating time - backlight on	8 h
Rechargeable battery operating time - backlight off	18 h
Rechargeable battery charging time	12 h
Rechargeable battery optional	Rchrg. battery optional (factory)

Environmental conditions	
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval	
CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	III

Verification scale interval [e] 0,001 kg; 0,002 kg

Services (optional)	
Article number for adjustment at the location of installation	961-248
Article number for conformity assessment	965-228
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	500×330×230 mm
Shipping method	Parcel service
Net weight approx.	3,8 kg
Gross weight approx.	6 kg
Shipping weight	7,6 kg

## Pictograms

### STANDARD



### OPTION



### FACTORY

