

# KERN IFB 100K-3L

High-resolution industrial scale in heavy version



## Category

Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	IFB

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	150 kg
Readability [d]	0,005 kg
Reproducibility	0,005 kg
Linearity	± 0,02 kg
Resolution	30.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (F2)
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,025 kg
Maximum creep (15 minutes)	20 g
Maximum creep (30 minutes)	40 g
Default unit	kg
Units	kg
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

## Display

Display type	LCD
Display backlight	✓
Display segments	5 + 1/2
Display digit height	52 mm

Languages of the user interface	Symbol language
---------------------------------	-----------------

## Construction

Dimension display device (W×D×H)	250×160×58 mm
Dimensions weighing surface (W×D)	650×500 mm
Dimensions weighing surface	650×500 mm
Dimensions weighing platform (W×D×H)	650×500×139 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Material display housing	Plastics
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand height	600 mm
Stand inclinable	✓
Wall mount	✓
Display device cable length	3 m
Load cells - number	1

## Functions

Sum memory function	✓
Recipe/summing level	Sum A
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	30.000
Smallest piece weight when piece counting - laboratory conditions	5 g
Smallest piece weight when piece counting - normal conditions	50 g
Reference quantity	10, 20, 50, 100, 200
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	no IP protection
IP protection - load cell	IP65
Auto-off interval(s) in battery mode/rechargeable battery mode	off 5 min 15 min
Auto-off interval(s) in mains power mode	off 5 min 15 min
Tare function	manual (single & multi)

# KERN IFB 100K-3L



High-resolution industrial scale in heavy version

Number of keys for operation 7

## Interface

Interfaces RS-232 standard  
Bluetooth BTC (v2.0)  
(optional, factory)  
analogue (0 - 10 V)  
(optional, factory)  
analogue (4 - 20 mA)  
(optional, factory)

EasyTouch (ET) - Compatibility vollständig

EasyTouch (ET) - Connection type RS232 (+optionale Schnittstellen)

## 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  
US

Plug-in power supply / adapter for countries - optional EURO  
AUS  
UK  
US  
CH

Input voltage power supply / power [Max] 100 V - 240 V, 50 / 60 Hz

Input voltage device / power [Max] 12 V, 500 mA

Battery / accumulator type Pb

Battery no battery

Rechargeable battery operating time - backlight on 8 h

Rechargeable battery operating time - backlight off 35 h

Rechargeable battery charging time 12 h

Rechargeable battery optional Rchrg. battery optional

## Environmental conditions

Ambient temperature [Min] -10 °C

Ambient temperature [Max] 40 °C

Humidity of environment [Min] 0 %

Humidity of environment [Max] 80 %

## Approval

CE mark ✓

## Services (optional)

Article number for adjustment at the location of installation 961-249

Article number for DAkkS calibration 963-129

Article number for certificate of conformity (verification) 969-517

## Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 680×1045×250 mm

Net weight 17,73 kg

Shipping method Parcel service

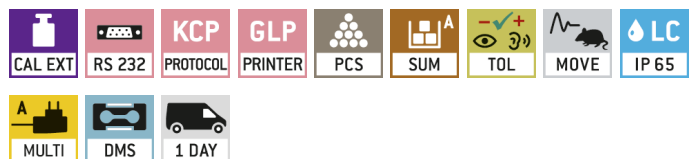
Net weight approx. 18 kg

Gross weight approx. 24 kg

Shipping weight 35,5 kg

## Pictograms

### STANDARD



### OPTION



### FACTORY

