

KERN IFB 6K-3SM

High-resolution industrial scale in heavy version, verification optional



Display backlight	✓
Display segments	5 + 1/2
Display digit height	52 mm
Languages of the user interface	Symbol language

Construction

Dimensions completely mounted (W×D×H)	230×230×360 mm
Dimension display device (W×D×H)	250×160×58 mm
Dimensions weighing surface (W×D)	230×230 mm
Dimensions weighing surface	230×230 mm
Dimensions weighing platform (W×D×H)	230×230×106 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	3300 mm
Stand inclinable	✓
Wall mount	✓
Transport safety lock - bolt torque	0,1 Nm
Display device cable length	3 m
Allowed cable length display device [Max]	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	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	10, 20, 50, 100, 200
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	Platform scale
Product family	IFB

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
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]	0,005 kg; 0,01 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

Display

Display type	LCD
--------------	-----

KERN IFB 6K-3SM

High-resolution industrial scale in heavy version, verification optional

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)
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) - 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	✓
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 (verification)	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	330×495×231 mm
Net weight	4,6 kg
Shipping method	Parcel service
Net weight approx.	4,6 kg
Gross weight approx.	7 kg
Shipping weight	7,5 kg

Pictograms

STANDARD



OPTION



FACTORY

